UPDATED REPEATER INDEXES INSIDE!

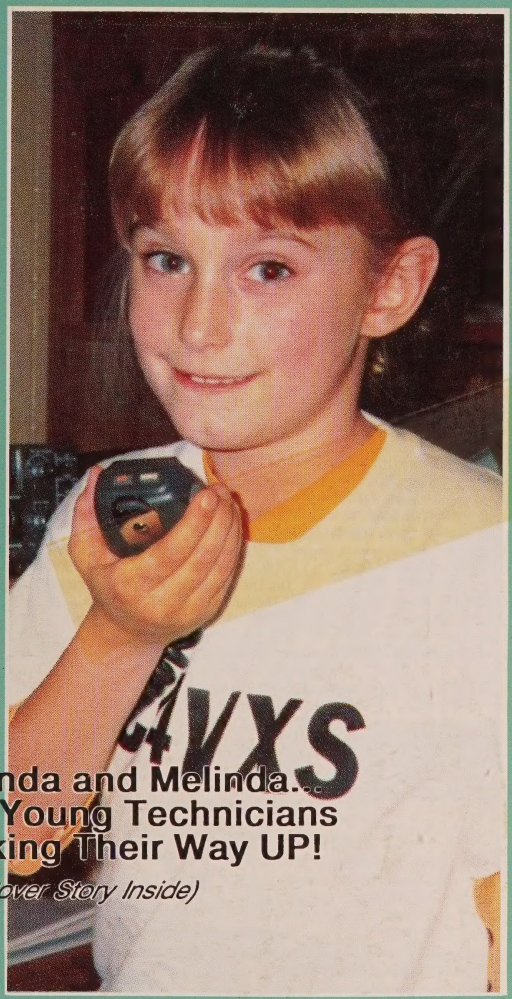
Celebrating S·E·R·A 20th Anniversary

SERA-SouthEastern Repeater Association, Inc. Representing Cordination and VHF/UHF Amateur Interests Across The Member States of North Carolina, South Carolina, Mississippi, Virginia, Tennessee, West Virginia, Kentucky and Georgia..

REPEATER JOURNAL

SouthEastern Repeater Association, Inc.

May, June, July, 1991 2.50



Amanda and Melinda... Two Young Technicians Working Their Way UP!

(See Cover Story Inside)

Also This Issue...

- More On No-Code
- Fees For Amateur Licenses?
- New Updated Repeater Index
- FCC News & Briefs

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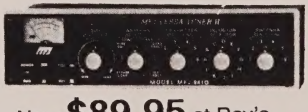

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Editorial Comment

A Letter From The President...

-A Guest Editorial - by A. Carter Cogle, K4ARO, President SERA

SERA has changed dramatically since I first became involved with it during the days when it was the Carolina Repeater Association, and subsequently the Carolinas-Virginia Repeater Association.

Originally it was the North Carolina Repeater Association, serving one state, and today we serve eight states under the SERA umbrella. We are very fortunate to have many dedicated people, particularly on the publications staff. REPEATER JOURNAL revenues permit us to do things which few other organizations have the resources for.

It is still a hobby, however, and there is a practical limit to time, energy and personal funds which can be expended on running any hobby related organization. Hobby related associations traditionally seem to get a lot done with minimal resources. AMSAT is another outstanding example. (Have you subscribed to their excellent AMSAT JOURNAL.?)

SERA is on a plateau in its evolution. We are not actively pursuing expansion into other areas, rather, we are focusing on increasing membership and involvement in those areas we already represent. South Carolina is a good example of this. The state was without officers for quite a while, but several concerned hams have turned the situation around and South Carolina is now well represented by the Director, Bill Jones, N4NMH; Gary Foster, WD8OXE, the Vice Director, and Donna Foster, KB4TUY, co-editor of the excellent "South Carolina Ramblings . . ." column.

Do you want to see SERA grow? Do you want to see more in the JOURNAL What are YOU going to VOLUNTEER to DO?

While On The Subject . . .

One of the best books you can give a newcomer to the ham bands, especially 2-meters is a copy of the REPEATER JOURNAL. If you are an "Elmer" for some new ham, get him started the right way. Give him a gift subscription to the REPEATER JOURNAL.

The JOURNAL contains all the important repeater listings and information, so vital to a newcomer to the VHF/UHF bands. They can keep abreast of all the Hamfests that are scheduled for the rest of the year, and read the helpful hints in the "Coach's Corner" series.

Why not lend a little extra support to SERA, recommend membership to your new ham friend. Just clip out the application from this issue and send it in for him, or her, they'll be very grateful to you. No where else can such good information be found for the new ham, quarterly as that in the REPEATER JOURNAL.

-The Journal Editorial Staff

REPEATER JOURNAL

May, June, July 1991
Volume 11, No. 2
ORGANIZED IN 1971
"Celebrating Our 20th Year

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New Hams Need Guidance! What Better way to teach him VHF/UHF than with the SERA REPEATER JOURNAL. Only $6.00 per year will give the new ham a weath of information each quarter. See Application this issue.

About Associate Membership

Repeater users and Amateurs are invited to join SERA as Associate Members. A membership fee of $6.00 per year will enable members to support the organization and receive the "Repeater Journal". Associate Membership deadlines are on the 15th of the month preceding months of publication — Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Winston-Salem Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive next to be published Journal, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships are limited to one year duration at $10.50 per year. HOT-P, your Journal is mailed on Friday FIRST CLASS mail. Regular memberships are mailed on MONDAY, Third Class Bulk. SERA does not issue receipts for Membership applications Members should wait until next Journal comes out to report any problems to the Associate Membership Chairman, P.O. Box 215, Tobaccoville, N.C. 27050-0215. Associate Members may hold appointive positions within SERA.

About Full Repeater Membership. . .

Officers and Directors are elected from repeater representatives who are Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members receive the Journal from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index. Full Memberships all expire on December 31 of each calendar year.

About the Repeater Journal. . .

The SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of Southeastern Repeater Association, a seven state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month. ONE MONTH prior to publication. News deadlines are the first of the month prior to publication month. The REPEATER JOURNAL is entered as Third Class Mail at the Post Office in Greensboro, N.C. Cover price for the REPEATER JOURNAL is $2.50. All news and Newsletter exchanges should be mailed to the editor: Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C 27235.

SERA OFFICERS

AND COMMITTEE

PRESIDENT
A.Carter Cogle, K4ARO
1667 Varina Avenue
Petersburg, Va. 23805
(804) 733-8411

VICE-PRESIDENT
Nita Wofford, N4DON
2966 Cordell
Memphis, Tn. 38118
(901) 363-4971

TREASURER
Raymond K. Adams, N4BAQ
5833 Clinton Hwy., Suite 203
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Lindsay Cleveland, W4IZI
P.O. Box 1140
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SERA TECHNICAL ADVISOR
Danny Hampton, KM4OX
5453 Rock Svc. Station Rd.
Raleigh, N.C. 27603
(919) 832-8733

SERA-FCC LIASON CHAIRMAN
Rose Bond, FCC
Koger-Gwinnett, Suite 320
3575 Koger Blvd.
Duluth, Ga. 30136

EDITOR AND PUBLISHER
Wayne C. Williams, Sr., K4MOB
600 Lakedale Road
Colfax, N.C. 27235
(919) 993-5881

JOURNAL ADVERTISING DIR.
Sharon Ward
P.O. Box 215
Tobaccoville, N.C. 27050

SC JOURNAL Correspondant
Gary-WD8OXE, Donna, KB4TUY Foster

WV JOURNAL Correspondant
Ted Wolfe, WD4KHL

VA. JOURNAL Correspondant
Lee McDaniel, WB4QOJ

SERA, Southeastern Repeater Association, Inc. is one of the largest, most well known non-profit Repeater Coordinating Councils in the United States. SERA territory covers over 1,400 repeaters in member States of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky, Georgia and Mississippi. SERA celebrates its 20th Anniversary in 1991 with a continusing goal, to serve the repeater owners and users of the Southeast, by providing a voice of Communications and education through the Repeater Journal and our Officers and Directors.

Melinda and Amanda — "The Bright Future of Amateur Radio"

She was so small, you couldn't see her in a crowd of people, unless you got on your knees and looked through legs. But when you did see her, it made you feel good about the future of Amateur Radio. Her whole family, their activities and their goals all point to what we want in Amateur Radio — good wholesome family operators. This is my story about Melinda and Amanda.

Cover Story

— by Wayne C. Williams, K4MOB
Editor, The Repeater Journal

I first met Melinda Cox at the Fayetteville, West Virginia hamfest in February of this year. My friend John, W8OQC was across the way at the speakers stand of the Hamfest talking about this young lady who had just passed the coded Technician license at the VE exam given that morning. I couldn't hear everything he said, but got enough to whet my appetite as a magazine editor to want more. I sent my son over the crowd to get this little girl and bring her to me, if she would come.

I was delighted when soon, son Chris came back with Melinda and her mother, Darlene. As we chatted, I became more and more interested in this little girl and her mother. There was much more to come. Not only was Melinda, age 9 a new Technician, but her cousin Amanda Hutchins, age 7 also was a new coded Technician. Amanda has a 14-year-old brother who has his Extra class license and a father who is also a ham.

I also found that Melinda's mother, Darlene and her father Joe were both Extras. Wow! What a ham family!

The families are from the East Bend, N.C. area. Both girls are very active in Brownie Scouts, Troop 42 of Fall Creek.

Both girls credit their achievement in Ham radio to their class instructor Richard Robbins, N4WDU, ROTC teacher at Surry Central High School in Dobson. He is very active in teaching Novice and Tech classes, where the girls were enrolled at the encouragement of their parents.

Melinda is in the 3rd grade at East Bend Elementary School and Amanda is in the 2nd grade at Fall Creek Elementary.

Amanda's brother, Nathan upgraded to Extra when he was 13 years old, receiving his Novice in 1988, his Technician in April of 1989 and the final three upgrades to Extra in Sept., Oct. and Nov. of 1990.

Nathan is active in the Boy Scouts, sports and is an honor student at Fall Creek Elementary School. His mother, Sarah, has been licensed 2 years and works as a teacher's assistant at Boonville Elementary School and is active in Girl Scouts and Boy Scouts. It was only natural that Amanda follow the footsteps of her parents. She started her Novice class in November of 1990, passed the test in January of 1991 and upgraded to Technician in February. She plans to keep going up the ladder. Her father, Steve, has been licensed since 1978, works in the Printing industry and is Scoutmaster of Troop 65B in Boonville.

Melinda's family is in the ham business too. Her mother Darlene is an Extra class which she got in October of 1990; her father, Joe received his Extra upgrade in March of 1990.

Both Melinda and Amanda were quite excited when they learned they had passed their Technician exam at the VE session at the hamfest, because their novice calls had just come in the mail the day before. Amanda, KC4VXS and Melinda KC4VXT.

I did not have the pleasure of meeting the whole crew, just Melinda and her mother, but after reading about their family and their achievements in Amateur Radio, I look back on that day as a highlight I will always remember. Someday, maybe I will be lucky and work them on the air, which will be my distinct pleasure.

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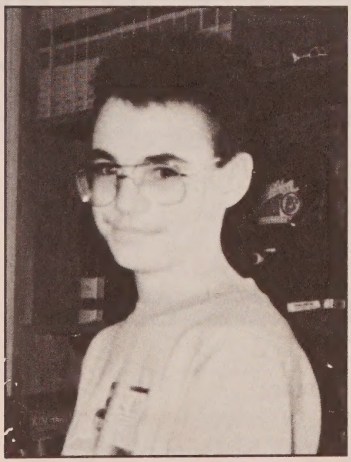
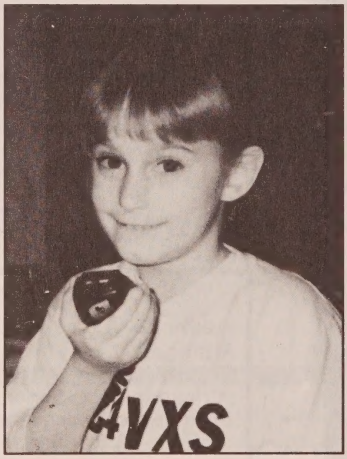


13-year-old Extra, Nathan Shores, now 14 is other brother of Amanda. Nathan is very active on the Amateur Bands, Boy Scouts and goes to Fall Creek Elementary School, where he is an Honor student.

MELINDA COX, KC4VXT



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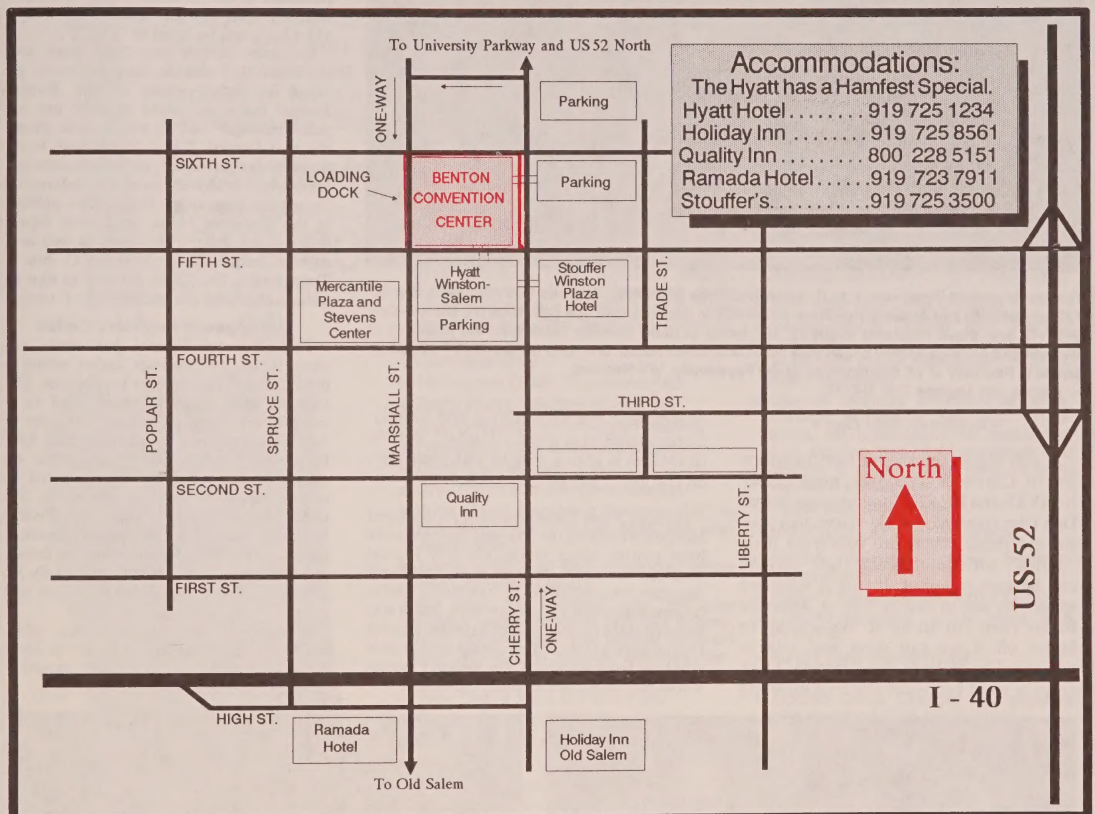

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Pre-registrations without SASE or received after May 24, 1991 will be held at the door.

Melinda & Amanda - New Technicians with Family!

The family portrait. Front row, L to R: Sarah Hutchens (KC4MIM), Melinda Cox (KC4VXT), Dortha Talbert (N4SHE) and Amanda Hutchens (KC4VXS). In the back row: Joe Cox (N4XRY), Darlene Cox (N4YVD) and Steve Hutchens (N4DEY). The family of hams recently celebrated the licensing of Melinda and Amanda as they began their world of Amateur Radio. Both girls passed their Technician exams in February at VE Examinations at the Fayetteville, WV Hamfest.
— photos ctsy Darlene Cox, N4YVD.

Continued from Page 4

If you live in the area of Northwestern North Carolina, you just might hear KC4VXS and KC4VXT talking up a storm. Don't let those tiny little voices fool you. Behind those voices are two truly little "cuties" with intelligence their parents can be very proud of. If this is what we expect to see in the future of Amateur Radio, then I'm all for it. We will all be better off if we can meet and talk to someone like Melinda and Amanda. Their story is what I consider the true meaning of Amateur Radio, America and Family. Congratulations girls! "Uncle" Wayne (K4MOB) is gonna talk to you some day, on the air. . . I hope very soon.

(Editor's Note) These little girls, Amanda and Melinda are among the youngest new hams we have written about in the Repeater Journal since our "exclusive" story of 10-year-old Sandi Saunders who passed her Extra exam in 1988 to become the nation's youngest extra. Sandi was featured in the November 1988 Repeater Journal. Do you have a story of very young boys or girls who have become licensed. The Repeater Journal would like your story. Contact the Editor.

New Index Features Sub Tones And Codes

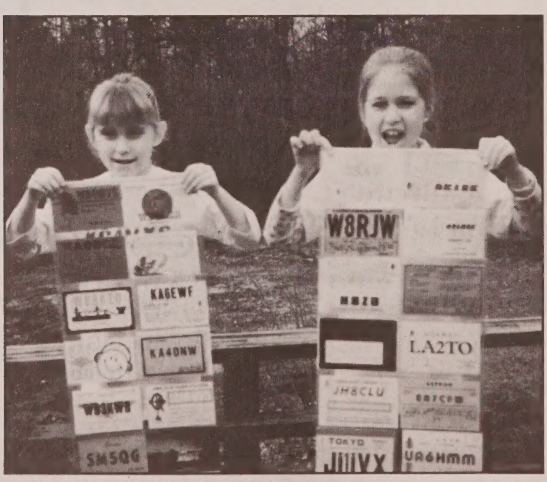
The SERA Repeater Database has been modified to enable the Repeater Journal to publish more information about repeaters. The biggest change is the addition of the capability of listing tone access frequencies for repeaters (who wish to have them published). The new tone access frequencies are at the far right of the repeater listing, preceded by the the letter "T". An example, a repeater with a tone access frequency of 151.4 hertz will be listed as "T151.4".

Repeater owners who have tone access machines and wish to have the tones published in future issues of the Repeater Journal Index are urged to write our computer manager and he will include them in the next Journal. If you do not wish to have access tones published, no communication is necessary, we already have that information. To get sub tone access frequencies published in the Repeater Index, send your repeater listing (City, State, Frequency, as well as the subtone frequency) to: SERA, P.O. Box 215, Tobaccoville, NC 27050. Be sure to sign your note, authorizing the publication of tones.

Changes to Repeater Codes

The Repeater Journal has made some changes to the repeater codes which are listed, identifying repeater capabilities. These changes were made to clarify, and to add more information, as well as lining up with the National Data Base and the ARRL Repeater Directory for a nationwide code standard. Not all codes are standard with others, but most are now the same. Some codes were changed with the February Repeater Journal. A complete explanation of repeater symbols and codes can be found in the third page of the Index, By City-By State listing in a box on the lower right side of the page.

A reminder...to correct listings, add or delete listings in the SERA Repeater Journal Repeater Index, information should go through your State Director first.



The girls show off QSL cards the family has collected since getting their ham licenses. Amanda, her brother and both parents are hams. Melinda and both her parents also operate the ham bands. The girls say they are looking forward to upgrading so they can get on the HF bands and work the world.

Amanda and Melinda horse around on the tower in the back yard after getting their new Technician licenses. Even the miniature handhelds they have for 2-meters look big in their little hands. KC4VXS and KC4VXT are both very active on 2-meters in the East Bend area of North Carolina.

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- 2W High, 1W Medium, and .1W Low Output - with standard EBP16N battery, (with optional EBP-18N battery or Direct DC) 5W High,1W medium and .1W Low
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VIRGINIA NEWS

-by Lee McDaniel, WB4QOJ

Send News To: 8506 Belle Haven Rd., Roanoke, Va. 24019

Welcome to Virginia News! Each issue we will try to give you info on what is going on in the state of Virginia. If your club or organization would like to pass on some info that is going on in our state, drop me a line at P.O. Box 7873, Roanoke, Virginia 24019 or on packet radio drop me a note at WB4QOJ. We will try to highlight what is going on in your area.

• • • •

In the Roanoke Valley things seem to be hopping as far as packet is concerned. The KC4LWI DX Packet Cluster is trying to get to the KD4IL Cluster in Charlotte which ties into the Atlanta hub. This has 19 nodes or Clusters tied together and DX spotting really rolls. Hopefully by the time you read this the link will be up and running.

• • • •

The KC4DY DX Packet Cluster just south of Roanoke in Ironto, VA is finishing up their link to the northern packet cluster network based in the Washington, D.C. area. This will give the DX'ers in the Roanoke Valley area a choice between the southern route or the northern route to check propagation and see what maybe not heard in our area.

• • • •

The Roanoke Valley Amateur Radio Club has their new Motorola 146.385/985 repeater on Poor Mt. about 12 miles south of Roanoke. The club has had a fund drive on to raise enough money to buy this new repeater and ACC Controller. The new W4CA repeater is fully operational at this time and Ronnie KA4YUY is working on adding new whistles and bells to the new state of the art machine.

• • • •

Also in the Roanoke Valley, The Blueridge Video and Digital Society (BVDS) has been hard at work putting up packet nodes to help the flow of DX with a complete 2400 baud packet network from Roanoke Poor Mt., to Winston-Salem Sauratown Mt. to Charlotte. This will be the first networking in the state of Virginia on Packet that runs faster than 1200 baud. The DXRKE, DXNC, DXCLT NODES operate to speed up the DX network. This 2400 baud link connects to the KD4IL DX CLUSTER in Charlotte and the KC4LWI DX CLUSTER in Roanoke.

• • • •

In the Lynchburg area the 147.975/375 KB4ILD repeater is making some big changes this spring. Butch says that he is putting up 6 remote receivers in the Lynchburg area to give better hand held coverage as well as auto patch coverage for the repeater which is located at Butch's house in Madison Heights, VA.

• • • •

The Lynchburg Amateur Radio Club (LARC) is working on a new PA for the ATV repeater on Tobacco Row Mt. near Lynchburg. The new PA will give the 923.25 mhz. output on the ATV repeater more solid coverage in the Lynchburg area. This ATV repeater is used on many occasions to help with Special Olympics and the famous Lynchburg TEN-MILER.

• • • •

The WB4DBB 1271.02/1291.02 repeater on Apple Orchard Mt. near Bedford, VA is covering the Lynchburg/Roanoke area with a good signal. Herman says that about 6 hams are making good use of this machine. Maybe this will be the big band of the future. We will see.

• • • •

In the Shenandoah Valley the Rockbridge Amateur Radio Club has a new Station master antenna on the 147.93/33 repeater located on Rocky Mt., in Rockbridge County. The call has been changed to KI4ZR after the passing last year of WA4DUM, Smiley, a well thought of and very hard working ham for many years in the Lexington/Rockbridge County area. The new antenna seems to have put the 7.33 machine back in top notch shape from Richmond to Harrisonburg to Roanoke to Wytheville.

• • • •

Also in the Northern Shenandoah Valley one of the N4RAG machines, the 146.295/895 machine, is off the air from Flattop Mt. north of Harrisonburg. This machine covered well from Washington, D.C. to Lynchburg to Richmond. It will be missed. Hopefully Donnie N4RAG will be able to regain this spot for a great wide area coverage machine.

• • • •

In the Wytheville area, Chimer N4KZL has a new Army MARS packet BBS on that is linking to Norfolk and Richmond via Roanoke. There are several The Net nodes up on Sand Mt./Poor Mt. and at the WA4ONG site in Richmond. This links the Army MARS network together via packet and was a big help during Desert Storm for passing traffic thru the state and also out from N4KZL and WB0TAX on HF MARS circuits to Fort Mead, MD. This freq. on VHF is 148.68 mhz.

• • • •

In the world of 220 several things have happened and are being planned. As far as packet is concerned the 221.01 VHF packet trunk will be changing frequency in the near future when we lose the bottom 2 meg. of that band. Ideas are still being thrown around on which frequency will be used for this state-wide trunking system. This will affect #RKE22, #ROA22, RICNODES, WYTHE22, TAXBBS, DCA220 and several others bordering the state; hopefully this will be a smooth transition.

• • • •

If you would like to share info of what's happening in your area drop me a note. Till next time ((((73)))) de Lee, WB4QOJ.

No Code Is Working

Reports around the area indicate that record numbers of persons are signing up for Amateur radio classes. Several VE examinations in past weeks indicate almost a doubling of persons taking the Novice/Tech exam. We have no late reports from FCC as to what increase has occurred nationwide.

The new licensees who get Novice/Tech callsigns will soon be running into the "KD" group. The FCC was already in the KC4WAA group by mid April and is expected to run out of the KC4 callsigns by May. Many of the new Technicians are already on the air and enjoying Amateur Radio.

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CONSTRUCTION: Heavy Duty Fiberglass SCREW-TOGETHER ABS JOINTS

CA-2×4Z

Base/Repeater Antenna

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POWER: 200 watts

LENGTH: 15'11"

CONNECTOR: N

CA-2×4FX

Base/Repeater Antenna

GAIN: 146MHz 4.5dB 446MHz 7.2dB

POWER: 200 watts

LENGTH: 5'11"

CONNECTOR: UHF type

CA-2×4MB

Mobile Antenna w/Fold-over feature

GAIN: 146MHz 4.5dB 446MHz 7.0dB

POWER: 150 watts

LENGTH: 5'

CONNECTOR: UHF type

CA-2×4SR

Mobile Antenna w/Fold-over feature

GAIN: 146MHz 3.8dB 446MHz 6.2dB

POWER: 150 watts FM

LENGTH: 3'4"

CONNECTOR: UHF type

CF-416

Duplexer w/Coax

POWER: 146MHz 800 watts
446MHz 500 watts

CONNECTOR OUTPUT: N-type

146MHz INPUT: UHF

446MHz INPUT: N-type

CF-4160I CF-4160K

Duplexer w/o Coax

POWER: Same as CF-416

CONNECTOR OUTPUT: UHF

146MHz INPUT: UHF

I MODEL 446 INPUT: N-type

K MODEL 446 INPUT: UHF

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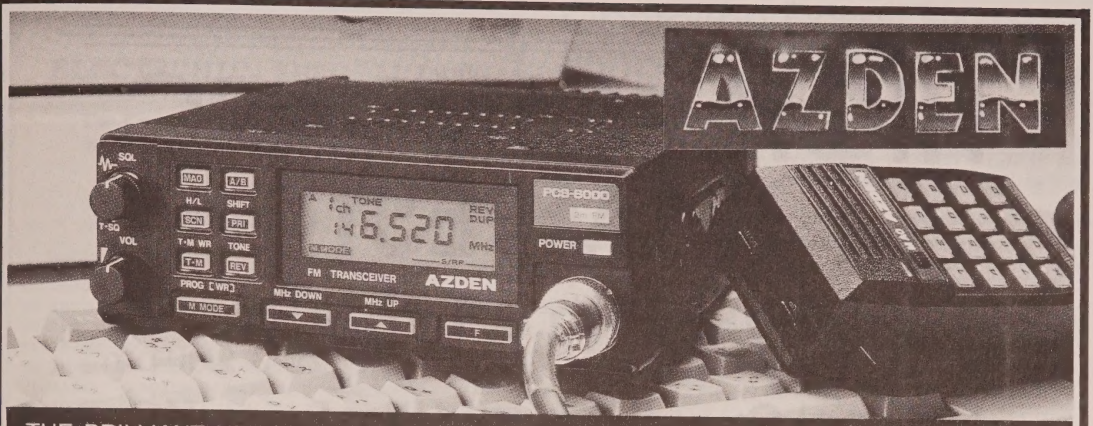

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FT-470	DUAL BAND HT 2M/70CM	399.00
CLIP-1	CLIP-1 BELT CLIP	5.00
FBA-5/5A	6 AA CELL HOLDER FT-727A	14.00
FBA-17	AA CELL HOLDER 23/411/470 etc	12.00
FNB-4A	500MAH 12VDC ?09 OR 727R ETC	64.00
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MH-19A2B	MINI EARPIECE MICROPHONE	31.00
NC-15	QUICK CHARGER	95.00
NC-29	DESK QUICK CHARGER	65.00
NC-18B	WALL CHARGER (FNB-4/4A/12S)	11.00
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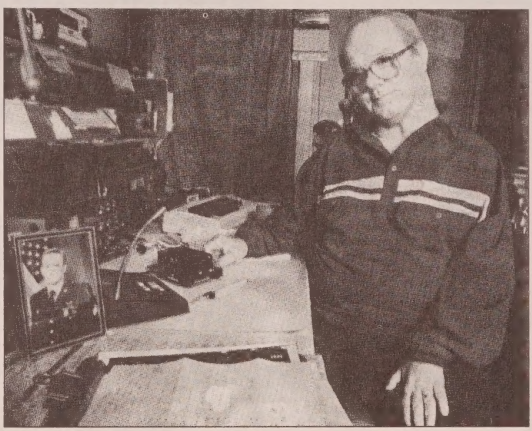
Operation Desert Storm Brings Ham MARS Publicity

— by Ted Wolfe — WD4KHL

Newspapers on 1 April reported one quarter of the U.S. troops which had been involved in DESERT SHIELD and DESERT STORM operations had returned to the U.S. by that time.

But not long ago when the six-week offensive war was at its height some Kanawha Valley hams were publicity recognized in a *Charleston Daily Mail* feature on their voluntary efforts on behalf of the military's MARS (Military Affiliate Radio System) network.

The article featured photos of amateur operators Ollie Rinehart, WD8V, of South Charleston and Jimmy Hewlett, WD8MKS, of Dunbar. It mentioned a corps of about 40 amateur radio operators around the state affiliated with Navy/Marine MARS.



Ollie Rinehart, WD8V, South Charleston, WV, is one of the many Military Affiliate Radio System (MARS) amateur radio operators active in West Virginia handling traffic between the US and the Persian Gulf for military personnel.

Rinehart's 26-year old son is serving overseas with the Army and Ollie keeps busy handling much traffic from the Army MARS network. One Sunday he handled 46 messages for West Virginia serviceman (or women) serving in the Middle East.

The MARS system is a network of amateur operations trained in the military fashion of message handling. Besides the Navy/Marine MARS, other systems serve the Army and Air Force.

Hewlett, area coordinator for Navy/Marine MARS said "we deal with a lot of messages that make people happy." And, he added, "that's a good thing."

He said each Navy ship has a MARS station that can originate messages to the U.S. despite frequent changes of position and radio frequencies. Hams while operating MARS are legally permitted to use certain military radio frequencies for message handling.

Hewlett noted that as many as 12 stations were operating at one point before the war began and for a time only two ships were authorized to receive messages.

Rinehart, citing figures from December, said about seven to nine thousand pieces of mail (traffic) came through the Eastern part of the country on the MARS networks. Eighteen hundred of those were phone patches from the 35 Arms MARS stations then operating in Saudi Arabia.

A phone patch is a voice circuit. The overseas radio calls are

Continued on Page 32

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*Europe and Italy versions: HM-59 HAND MICROPHONE with a 1750 Hz tone call function.

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ARA Secures Trailer Donation for Clubhouse

-by Alex Hedrick, Jr., N8FWL

The Appalachian Repeater Association's dream project of a mountaintop club house and operating station has become a reality much sooner than anticipated!

As you may have read in West Virginia Notes in the February, Journal, the Appalachian Repeater Association, Ltd., had begun a project to build a mountaintop club house by soliciting contributions of surplus building supplies and monetary donations.

Now, the dream is a reality, thanks to the contribution of a pre-owned mobile home by Oakwood Mobile Homes, Inc. ARA representatives, Gary Holt (WF1G and Alex Hedrick (N8FWL), met with Farrell Snotherly, who manages the Oakwood Mobile Homes facility in Daniels, WV, on March 1, to accept the keys to the mobile home and to finalize the paper work. Oakwood's employees will be providingmanpower and a vehicle, at a substantially reduced rate, to move the mobile home to Hizer Knob on Mann Mt. which is near Layland.

According to Mr. Snotherly, Oakwood Mobile Homes recognized the invaluable services that Amateur radio opoerators provide to the public during routine day to day situations, local and national emergencies and disasters, not to mention traffic handling for the armed forces engaged in Desert Storm.

Tower Sites, Inc., is another corporation who has become involved in this project by providing a rent free and permanent parking space. The location will have four towers with antennas for 50, 144, 220, 432 and HF frequencies.

As soon as the weather breaks club members will converge on the mountain to clear the access road of overhanding trees in addition to clear cutting the parking space. All of the money and material collected to date will go to refurbishing the inside of the mobile home.

A warm heartfelt thank you to Oakwood Mobile Homes for becoming invbolved with a very worthwhile community oriented project.

Other ARA News

The operational frequency of the Appalachian Repeater Assn.'s 220 mhz repeater located on Flat Top Mountain at Winterplace Ski Resort has been changed to 222.52-224.12. This was brought about by the FCCs re-allocation of 220-222 mhz. As the "fickle finger of fate" would have it, the old frequency pair was the last of the eight frequency pairs lost due to that ruling.

* * * *

The callsign has been changed to WF1G (Gary Holt's call) on the 444.800 Mhz. repeater located on Lick Knob. This will allow for the operation of a ten meter remote base that has been added.

* * * *

The ARA is adding a new ten meter repeater which will be located on Bolt Mt. The operating frequencies will be 29.520-29.620, with the transmitter located on Pilot Knob in Wyoming County and the receiver located on Ivy Knob in Raleigh County. The repeater trustee is KA8OTX, James A. Johns of Fayetteville, WV.

* * * *

The ARA has added five new repeater controllers which will enhance the overall operation of the ARA's internal link system and its link with the PCRN (NC Linking system). Besides the 145.17, 146.865 & 146.955 repeaters that were already a part of the ARA/PCRN cooperative link, the 145.310 has now been brought into the system. Five other controllers will be installed in the not-too-distant future.

New Bern 450 Machine Is Back On-The-Air

— by Sid Purvis, WA4VBC

The New Bern 44.90-449.90 repeater returned to the air on a full time basis in early February. The repeater had been off the air pending the acquisition of a suitable site. The repeater is now being sponsored by the New Bern ARC.

The 60-watt GE Mastr Pro repeater is equipped with a DB Products duplexer. A high gain Diamond antenna is fed by 7/8-inch Heliax. The antenna is at 180-feet and located between New Bern and Havelock. Good coverage is available in New Bern, Havelock and surround areas.

Future plans include upgrading to a GE Mastr II transmitter and receiver, and adding a GaAsFET preamp. Long range plans may include an autopatch. Visitors are encouraged to use the 450 mhz machine.

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SATURDAY, MAY 18, 1991

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WEST VIRGINIA NOTES

-by Ted Wolfe, WD4KHL

Send News To: P.O. Box 133, Cabin Creek, WV 25035

A few readers have commented that I devote too much of my column to packet radio. Very well, I will write all the packet news from West Virginia and submit it as a separate article for the editor's consideration. If you find it elsewhere in this issue you will know he deemed it appropriate to print.

• • • •

The Fayetteville, WV, hamfest in February drew the largest turnout yet. The venue was crowded and there were more cars in the parking lot than I have ever previously seen for the event.

Between the time I write this and it appears in print there will have been a hamfest in Charleston (April 7) and another of the annual outdoor ham flea markets at St. Albans. That was on April 20.

• • • •

The Jackson County ARC Hamfest at Ripley is set for May 11, about the time you receive this copy of the *Journal*. Also in May is the Wheeling Hamfest on Sunday, May 19. The Bluefield hamfest is scheduled for June 29.

• • • •

A correction on the call of new novice Jason Moore. When Jason's grandfather told me on the air I misunderstood and copied KD8LSG, which was printed in my last column. The correct call is KB8LFG.

• • • •

The Tri-State ARA in Huntington will have a hamfest on Saturday, August 10 this year at the Ceredo-Kenova Community Center in the 1200 block of Oak St., just off US Route 60 in Kenova. Call Georgia (MA8QME) for details and registration packets at 304/522-1811.

• • • •

Fred Jones, WA4SWF, at Louisa, KY, advises that the 146.13/146.73 repeater there has been moved to Flatwoods Mountain from whence it has increased coverage. It is now operated by Henry, KC4KZT.

• • • •

The Jackson County ARC at Ripley is still inventorying a donation of commercial equipment donated to the club of Hoff Electronics. Club member Howard L. Morris, K8SNW, became a silent key on Feb. 15. Morris had been a ham since 1938.

• • • •

"Splatter" — the newsletter of the Kanawha ARC, Charleston — has a new format, also a new editor for the April issue — Hal Turley, KC8FS. That issue reports the General Class program conducted at the A-frame clubhouse in St. Albans is going well with five students currently holding Technician class licenses diligently working toward an upgrade.

KARC members Randy Cowles, WA8IWZ, and Bill Pace, KB8ZM, are instructing novice class license training sessions on Wednesday afternoons at 2:00 p.m. at South Charleston High School. The sessions are not limited to SCHS students. They are open to students from any other school, or even non-students. The classes grew out of an introductory presentation on amateur radio delivered by Randy and Bill to students of SCHS teacher Dale Nichols. This could be the start toward creating a club station at the school.

• • • •

Chub Goodwin, N8CG, at the time this is written, is recovering from recent surgery at Thomas Memorial Hospital. He is now at home in Nitro.

The B-N-T newsletter of the Triple States

Continued on Page 17

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SOUTH CAROLINA NEWS

-by Gary, WD8OXE & Donna, KB4TUY Foster

Send news and correspondance to: 670 Foster Road, Inman, SC 29349

We would like to thank all people that sent us information to make this column possible, but we are still in need of information from the north, east and the coast. We are interested in anything pertaining to Ham Radio in S.C. We have started getting some club news letters which have a walth of information on local goings on. If you are on packet you can leave messages for us addressed to WD80XE @ KI4FL. Our mailing address is 670 Foster Road, Inman, S.C. 29349 or call us at 592-9225.

• • • •

We received the following letter in response to our inquiry concerning the St. Matthews repeater. We hope more South Carolinians will take a few minutes to keep us up to date on their local happenings.

FEBRUARY 13, 1991

It was interesting to read your short piece about my repeater in the recent *Repeater Journal*. You asked for more information on the repeater, so here it is.

The AD4U 07-67 repeater is located near St. Matthews, S.C. St. Matthews is located about 35 miles southeast of Columbia. It was put on the air on December 25, 1988, in my back yard. It was moved to the present location in July, 1990. The repeater is a Spectrum SCR 1000 75 watt model, presently running about 30 watts. The controller is the ACC RC-85. The duplexer is a Celwave six section model with 115 dB isolation. The antenna is a Celwave Super Station Master. The feedline is 7/8 Andrews hardline, and the antenna is located 270 feet up the "old" county tower which has been abandoned. The repeater has battery backup as well as a 5KW automatic generator with 200 gallon fuel tank that is used to provide emergency tower lighting. This generator should provide about two weeks of emergency operation if necessary.

All repeater functions are open to all HAMS. The autopatch is * up and # down with long distance locked out. The "S" meter readback is "8". Touchtone pad test is "5". "911" emergency services can be accessed by "*1" on the autodialer. The repeater is carrier operated, but putting a 131.8 Hz tone on the signal will activate a squelch defeat circuit which totally opens the squelch, allowing the repeater to be used right down to the receiver noise level. This circuit really makes a difference on weak walkie talkies, and it eliminates 99% of all chopping on weak mobiles. The repeater also has provisions for linking on 440 MHz. Presently this is a manual, fixed frequency system, but plans are under way for a remotely tunable system. All hardware is on hand. The only "hold up" is a little time to install and debug it.

Solid coverage averages 40-50 miles for a 50 watt mobile. The repeater can be "hill topped" out to 65-70 miles. Specifically good mobile coverage along I-26 starts at about the 90 mile marker about 15 miles above Columbia and extends to the 190 mile marker near Summerville. Coverage along I-95 begins at about the 130 mile marker about 10 miles above Manning and extends down to the 60 mile marker near Walterboro. Coverage on I-77 above Columbia is good up to the 30 mile marker. Coverage along I-20 starts at about the 30 miles marker just past Aiken and extends a few miles past the east side of Columbia. I have been well pleased with the Spectrum repeater. Originally the receiver sensitivity was not very good, but the addition of a GASFET preamp got it down to 0.11uV for 12 dB SINAD. It has crystal ovens on both the transmitter and receiver. Since it is located in an unheated building, this keeps things stable. All repeater expenses including phone line are paid entirely by me and my wife WA4HWM. My nine year old daughter is KC4FSX. I am interested in receiving any reports on the repeater. I also hope that travellers who read this will check in to say hello.

—by Dick Whetstone AD4U

• • • •

The Trident Amateur Radio Club 2 meter net meets Tuesday at 8:00pm on the 147.27 repeater. All low country hams are encouraged to participate . . . An effort is underway to link the states major repeaters. The project was started by the TARC in Charleston on their 147.27 repeater. Plans call for linking with 146.97 in Savannah, 147.015 in Sumter, 145.43 in Columbia, 145.67 in St. Matthews and hopefully Rock Hill.

• • • •

The Charleston Hamfest was well attended but could have used more dealers . . . The Greenwood Hamfest is well on its way to becoming the largest in the state. Everyone we talked to was very pleased with the location and the dealers . . . Does anyone have information on the Awendaw repeater? It is listed as under construction in the listings. Maybe N4DRU or someone in the Georgetown area will drop us a line on this one . . . A IC900 is being installed on the Charleston 147.27 machine . . .

• • • •

OZ Press is in the process of gathering information on repeaters that can be accessed from Interstate Highways for the Interstate Repeater Directory. The Directory will list Interstates by road numbers and the repeaters by the marker in which they can be keyed using 5 watts. If your repeater has Interstate coverage, send a SASE to: OZ PRESS, P.O. BOX 23214, TAMPA, FLORIDA 33623. Those reponding will receive a printout of Interstate repeaters within their state upon completion of all data gathered . . .

Glen, WV4B reports that the Greenwood 145.13 repeater is back up and running after being down for repairs. The repeater now has a RX on 220MHZ. When you access the machine via 220 you will hear 2 beeps on 145.13. Future plans call for a full duplex 220 repeater.

• • • •

The 145.25 Summerville repeater has been moved to a new site. The old site had tower problems which forced the move. The repeater is now atop the 200 ft. water tank at the Summerville High School Stadium.

• • • •

Our congratulations and praise goes out to a Repeater Journal Advertiser and fellow South Carolinian, WD4BUM. His company, Lakeview Incorporated has received repeated praise for his antennas in World Radio Magazine, ARIALS Column. His antennas are said to be well built and also perform well. According to the columns author, he is one of the few people in the antenna industry that is honest about his antenna gain figures . . . H.C. Van Valzah Co. has relocated to South Carolina. The new plant is now located in Northern Greenville County, near the wire man. The company manufactures a full line of Base as well as mobile antennas. For more information, call Susan toll free at 1-800-HAM-0073 . . . The Blue Ridge Amateur Radio Club went on a guided tour of the Greenville County 911 Emergency Communications and Law Enforcement Center on April 2nd . . .

• • • •

S.C. Packet News

By far the biggest response for information came from the packet radio community. We hope others will follow their lead and send us more on South Carolina happenings.

• • • •

The SCARDS (South Carolina Amateur Radio Digital Society) meets the 1st Saturday in the 2nd month of each quarter but temporarily is meeting every month. The meeting is held at the Ryans Steak House in Columbia on St. Andrews Road. The president of SCARDS is Glenn WV4B, VPO Del K4WJR, Secretary Bill KE4NL and treasurer Ned N4FVU. Any of these officers can be contacted for more info. For membership contact Spence K4KEP @ KI4FL. The upstate LAN (Local Ara Network) meetings are held the 4th Saturday of the 1st and 3rd month of each quarter at noon at Ryans Steak House on Laurens Rd. in Greensville. You may contact Spence, K4KEP, Chairman for more information. For information on the Midlands Lans, contact Bill, WA2GYM.

• • • •

Continued on Page 44

ROA, #ROA22, #RKE22, DXBVDS, DXINT, DXNC, DXCLT, DXLEX, DXRKE, DXGSO

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SERA Repeater Index On WB4QOJ Packet BBS

-by Lee McDaniel, Wb4QOJ

The WB4QOJ packet BBS in Roanoke, Va. has the complete SERA Repeater Index in a search function format. It has been a big hit for those people who are traveling or just wondering what that repeater was that they never heard before. This data base over the last year has been used by over 70 different packet stations. The search function is easy to use and is only one of the many data base search functions that are very popular in the Roanoke Valley area. This listing is updated each time the SERA Journal comes out.

The Repeater Index covers all repeaters from 10-Meter FM to 1296, or any repeater that is listed in the SERA Journal.

To use the data base search function on the WB4QOJ packet BBS, all you do at the log in prompt is type the following: OS SEARCH REPEATERS (thesearchword)---) The search word can be any of several things--a callsign or a city/frequency/state. When the info comes back to you it will list all info that you requested in a full 80 column format.

To get into the WB4QOJ packet BBS connect on the user port on 145.05 mhz. The digipeater that connects direct is RKE5. Any node that connects to RKE5 will get to the BBS.

Other database searches are available by typing in at the BBS prompt: OS SEARCH.

A reminder, the SERA Index is Copyrighted by SERA, Inc. and can only be used for normal Amateur

SERA TREASURERS FINANCIAL STATEMENT

-by Ray Adams, N4BAQ, SERA Treasurer

FINANCIAL REPORT FROM JANUARY 1 to March 31, 1987, 1988, 1989, 1990 and 1991

Dues	$6/$15	$6/$15	$6/$15	$6/$15	$6/$15
REVENUES	1987	1988	1989	1990	1991
Advertising	$ 2,789.50	$ 2,618.50	$ 2610.00	$ 4,533.10	$ 2,706.00
Associate membership dues	5,053.50	3,682.00	$ 2,812.00	2,075.00	2,836.00
Full membership dues	2,344.00	2,502.00	3,166.50	5,179.50	4,670.50
Decals	16.00	114.50	31.00	- 0 -	64.75
Postage - includes HOT-P	76.50	58.50	63.00	58.50	54.00
Hats	33.00	18.00	- 0 -	- 0 -	- 0 -
Contributions	102.00	- 0 -	122.10	- 0 -	50.00
Interest	111.40	147.68	70.89	98.01	125.16
Other	11.50	6.00	- 0 -	64.00	- 0 -
	$10,537.40	$ 9,147.18	$ 8,875.49	$12,008.11	$10,506.41
EXPENSES					
Journal mailing	$ 756.14	$ 563.47	$ 1,510.21	$ 749.75	$ 849.50
Journal production	4,821.29	3,778.31	4,927.53	4,571.37	4,787.26
Travel and meetings	1,250.70	- 0 -	1,489.57	648.96	847.86
Miscellaneous	59.95	25.00	95.75	94.00	75.00
Office expenses	35.00	49.20	230.64	97.58	526.12
Postage - other than journal	38.38	225.02	851.81	337.16	569.61
Printing - other than journal	284.00	35.64	312.96	- 0 -	50.75
Telephone	78.68	243.49	256.00	252.93	534.28
	$ 7,324.14	$ 4,920.13	$ 9,674.47	$ 6,751.75	$ 8,240.38
REVENUES OVER (UNDER*) EXPENSES	$ 3,213.26	$ 4,227.05	$ 798.98*	$ 5,256.36	$ 2,266.03
Balances, Beginning of year					
Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	2,571.63	1,696.00	3,026.00	3,203.60	2,749.00
Cash in bank	5,690.15	7,252.05	5,393.35	4,156.54	9,130.27
	$ 9,161.78	$ 9,848.05	$ 9,319.35	$ 8,260.14	$12,779.27
EQUITY TO ACCOUNT FOR	$12,375.04	$14,075.10	$ 8,520.37	$13,516.50	$15,045.30
Less: Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	2,571.63	3,053.29	3,026.00	3,203.60	4,363.18
	$ 3,471.63	$ 3,953.29	$ 3,926.00	$ 4,103.60	$ 5,263.18
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Continued from Page 14

Radio Amateur Club for April reports editor Ralph McDonough, K8AN, is recovering from a severely sprained ankle received when he slipped on wet grass while taking a "shortcut" across his property to his newspaper box. The injury didn't appear to slow Ralph down too much for the B-N-T was chock full of news as always.

• • • •

Karl Moris, WB8GDY, the WV SERA Director, has provided some recent coordination information which I present now.

There has been a frequency change on the WF1G Repeater at Flat Top/Winter Place. The new input/output frequencies are 222.520/224.120. The Appalachian Repeater Association machine is located on Huff Knob, east of Interstate 77.

Another ARA machine (449.800/444.800) has changed its call to WF1G. That repeater is located on Lick Knob.

At McMechen, N8FQN, is the call for the 146.310/145.450 repeater is N8LGY. The newly coordinated (with new location) repeater sponsored by the Calhoun ARC is located five miles south of Grantsville on Rt. 16. The old call was N8FXC.

A new listing is WB8CQV (29.540/29.640 Mhz) at Charleston, activated in February from Observatory Road.

• • • •

If you don't contact me or send me a copy of your club's newsletter there is no way I can know what is going on. If I don't know about your activities I can't write them up for this quarterly column.

WEST VIRGINIA PACKET NEWS

I am submitting news of packet activity in West Virginia separate from my regular column in the *Journal* so that you who have no interest whatsoever in packet can just skip this collection of items.

For now interest in the Rose switch in this area has apparently died. There is nothing new since my February column. The same applies for the Rose software in eastern Kentucky.

• • • •

Bob Adams, N9DMK, gave a packet demonstration on March 26 at the A-frame clubhouse in St. Albans. It was well attended, mostly by newcomers to packet curous about nodes, crossovers, bbs's, gateways, etc. I saw a lot of note taking during the presentation. So more ham calls should be popping up on your screens in the Valley soon as those hams get more comfortable and more active on packet.

• • • •

Terry, WB8IFS, has activated another node: It is PINEY:WB8IFS-10. Next issue I will try to bring you up-to-date on PINEY AND NOBE FOR Terry will be adding a UHF link on the 446.5 backbone frequency. That work, Terry says, will complete his nearly statewide packet net. Just as I write this his BEE:WB8IFS-3 is down. It is the busiest packet switch in the state, no doubt, and I watch stations try to find alternate paths. Terry is probably on site working on it and the co-sited BEEUHF.

When all work is completed, Terry says, the forwarding now being heard on 145.01 should be almost entirely shifted to 446.5 Mhz on the backbone.

• • • •

I think I have now sorted out the information on BAYCOM. That's the Digicom TNC emulator program for use with IBM/clones, and the cheapest way to get on packet if you have an IBM or clone computer. The Digicom modem can be built for about $40 with most parts (except the XR chips) available at Radio Shack. An interface is required between the Digicom modem and your IBM/clone, but the interface consists of only a voltage regulator, a common 7404 hexinterter chip, and the MAXIM MA232 chip. It changes the ttl logic levels from the modem to RS-232 level for connection to the computer's RS-232 level for connection to the computer's Rs-232 port via a DB-25 plug. Only four lines of the DB-25 plug are used: Pin #4 — PPT: Pin #5 — RXD; Pin #7 — Ground; and Pin #20 — TXD.

BAYCOM (with Digicom modem and the interface described above) is in use in northwestern Pennsylvania. The program and computer-generated schematic for the modem and interface are available from a land-line BBS at Meadville, Pa. If anyone is interested further send me a packet message to WD4KHL at WB'CQV. WV.

By next issue I hope to have more details. A friend with modem for downloading from land-line BBS is going for a download of BAYCOM and all supporting documentation. But, it is up to you to let the editor know if you are in the least bit interested in reading packet material here in the *Journal*.

• • • •

Some Kentucky packet notes from Fred, WA4SWF: LCARA has changed its alias to KYVA with TheNet version 2.06 software at Kowa, Ky. And KyDAVD affords a path to BERDX1 then to the N4MM N4TY DX cluster.

Also next time I may be able to report on another new (to this area) packet program that has been in use about a year in Germany). John, N4OKL, has just gotten a copy of the Eskay Packet program and has ordered a dual port DRSI board for his clone. John says Eskay packet requires a hardware TNC. It is not a software TNC like Digicom, although the command syntax closely resembles Digicom. The program also uses the DED command set so if a TAPR TNC is used a new chip will have to be burned and installed with the DED set.

Packet seems to change everyday. It's a challenge to keep up for I am not a technician, only a user.

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WEST VIRGINIA NOTES CONTINUED

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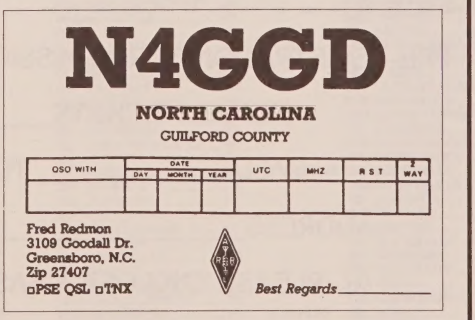

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Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements.

DISTRIBUTION OF REPEATERS BY FREQUENCY

This by-frequency index contains repeaters in the States of Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee, Virginia and West Virginia.

PLEASE NOTE: The letters column between the frequency and the city indicates suffixes of the repeater callsign.

This index is correct as of April 15, 1991.

SERA Suggested FM Simplex

146.40* 146.415* 146.43* 146.445* 146.46* 146.475* 146.49* 146.505* 146.52146.5351 46.55 146.575 146.580 146.595 147.510 147.525 147.540 147.555 147.570 147.585

223.50 or up and down 20 khz channels

446.00 or up or down 25 khz channels

* Permitted unless causes interference to nearby repeater input.

SERA Suggested Digital Simplex

145.01 145.03 145.05 145.07 145.09
145.61 145.63 145.65 145.67 145.69
223.40 223.42 223.58 223.66 223.70
223.72 223.74 223.76 223.78

NOTE: Digital operators are reminded to check with local Digital Societies for which digital channels are available for various digital usage, in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

2 METERS

4.51 /5.11
TUN AUGUSTA GA
UOX DOUGLASVILLE GA
HYE MENDENHALL MS
TOH COLUMBIA NC
RXG SAURATOWN MT NC
JMT CONWAY SC
Y COOKEVILLE TN
SBX GRAY TN
BOX JACKSON TN
IJL KNOXVILLE TN
ARK NASHVLE/FAIRVIEW TN
YPE RICHMOND VA
MCR SALT ROCK WV

4.53 /5.13
JF ADEL GA
SEX NEWNAN GA
YNF AHOSKIE NC
CS GREENWOOD/HODGESSC
CMY CHATTANOOGA TN
OAK LAFOLLETTE TN
VL GALAX/LKOUT MT VA
FHE BUCKHANNON WV

4.55 /5.15
MM ALBANY GA
AQL ATLANTA GA
LI MILLEDGEVILLE GA
IWZ PIKEVILLE KY
LFP PICAYUNE MS
JTX CHERRYVILLE NC
CVM RANDLEMAN/GBO NC
OXE INMAN SC
LWY SUMMERTON SC
RJC DECATUR-PONE KB TN
JXI MEMPHIS TN
MJF ALEXANDRIA VA
ARO PETERSBURG VA
HDB MARMET/BEE MT WV
FSE MARTINSBURG WV

4.57 /5.17
JBF COOLIDGE GA
DIW JONESBORO GA
PRH HALLS GAP KY
ZQB NEWTON/ANDSN MT NC
RVS OXFORD NC
TUN AIKEN SC
SK LOUDON TN
BRN MEMPHIS TN
LHO MURFREESBORO TN
YVM FAIRFAX VA
ZUA NORFOLK VA
FRV BECKLEY/BOLT WV

4.59 /5.19
ULJ PINE MT/HAMILTON GA
TEF BOONEVILLE MS
WGA JACKSONVILLE NC
BVW MT MITCHELL NC
OTT CARTHAGE TN
XX JASPER TN
FAX RICHMOND VA
YJJ RICHWOOD WV
JGY WHEELING WV

4.61 /5.21
PSZ FAYETTEVILLE GA
U DEANE KY
BOP ERLANGER KY
VOF COLUMBUS MS
WRE POPLARVILLE MS
TQD TRENTON NC
NEP GASTON SC
BBB KNOXVILLE TN
ARK NASHVILLE TN
MS KILMARNOCK VA
QOJ ROANOKE/POOR MT VA
FEQ HUNTINGTON WV

4.63 /5.23
JEH CONYERS GA
UJ DALTON GA
COL WAYNESBORO GA
PRH LOUISVILLE KY
PRH OXFORD KY
BFB CHARLOTTE NC
RA LAVERNE TN
DBB BEDFD/APL ORCH VA
MT NEWPORT NEWS VA

4.65 /5.25
BLQ CLAYTON GA
YYD ELIJAY-BUCK MTN GA
GGD GREENSBORO NC
URP CHARLESTON SC
BRV ERWIN TN
DRL FISHERVILLE TN
KRM SHELBYVILLE TN
CZJ BEAVERDAM VA

4.67 /5.27
PN WALESKA/PNLGMT GA
NBG HORNLAKE MS
DZJ WIGGINS MS
KNI HENDSVL/BERWLW M. NC
BEA RALEIGH NC
O FRUITLAND TN
WZK HENDERSONVILLE TN
CJX SEV/SHIELDS MT TN
SKE MARION VA
J STAFFORD VA
OG CRAIGSVILLE WV

4.69 /5.29
DRQ ATLANTA GA
AGA FRANKFORT KY
PL LAWRENCEBURG KY
ICN PAINTSVILLE KY
L VICKSBURG MS
BFB CHARLOTTE NC
GGD MAYODAN NC
VCM CHATTANOOGA TN
SQC JOHNSON CITY TN
UVH NASHVILLE TN
NDH CHESAPEAKE VA
ZXP GLENVILLE WV

4.71 /5.31
CEK COLUMBUS GA
JDR STOCKBRIDGE GA
GOJ CHATAWAH MS
ICX LEXINGTON NC
GY CHELSEA SC
PF ROCK HILL SC
PNI ATHENS TN
SC JACKSON TN
ECD LAFAYETTE TN
FSC ALEXANDRIA VA
G BECKLEY/LAYLAND WV

4.73 /5.33
OGE JONESBORO GA
YUU LEXINGTON KY
CYR GULFPORT MS
J MT. AIRY NC
DFP BAMBERG SC
DBJ CUMBERLAND CITY TN
TEM KNOXVILLE TN
DRL MEM/FISHERVILLE TN
QQI FARMVILLE VA
QC PARSONS WV
M WILLIAMSON WV

4.75 /5.35
DOC ATLANTA GA
FGQ ROSSVILLE GA
RBL LA GRANGE KY
WMH OLIVE BRANCH MS
AOS CHARLOTTE NC
GVK GREENVILLE NC
Y HUMBOLDT TN
AZJ BLAND VA
AQD FALLS CHURCH VA

4.77 /5.37
UA AUGUSTA GA
IZF JASPER GA
NNX HATTIESBURG MS
PYQ SOUTHAVEN MS
AGN N. WILKESBORO NC
MII OXFORD NC
PPD SHALLOTTE NC
GRC KNOXVILLE TN
OG NASHVILLE TN
TOG GLOUCESTER VA
FWL BECKLEY/EOC WV

4.79 /5.39
HYB GRIFFIN GA
NJ MONROE/UCARS NC
AM CHATTANOOGA TN
GZX EASTVIEW TN
EPC GREENEVILLE TN
DOR LEBANON TN
ARO ROANOKE/POOR MTN VA
EOM WESTON WV

4.81 /5.41
PME ATLANTA/BELL GA
PXX BRNSWK/JEKYLL IS GA
NON COVINGTON KY
BKD GLASGOW KY
IF N.BILOXI/D'IBERV MS
XO HIGH POINT NC
KNU WILLIAMSTON NC
VIH DOVER TN
TUO GREENEVILLE TN
VIP MEMPHIS TN
FHE BUCKHANNON WV
HYX LIBERTY WV

4.83 /5.43
OLL MACON GA
LCI MARIETTA GA
ITL SPARTA/GREEN MT NC
LB COLUMBIA SC
YTU BROWNSVILLE TN
UCE COOKEVILLE TN
IUA KNOXVILLE TN
SQT RICHMOND VA
L CHARLESTON WV
LG MORGANTOWN WV

4.85 /5.45
BOC DECATUR GA
TX LEXINGTON KY
PLY CROWDERS MT/GAST NC
WTX DURHAM NC
GRW NEWPORT NC
DV N. AUGUSTA SC
SIR BENTON TN
KOG COVINGTON TN
KO HOHENWALD TN
LP MORRISTOWN TN
E SPRING HILL TN
LGY GRANTSVILLE WV
SXZ WELCH WV

4.87 /5.47
UV HINESVILLE GA
CLA SWEAT MT/MARIETT GA
WMM MAYSVILLE KY
OIX KINSTON NC
NC SAURATOWN MT NC
RG GAFFNEY SC
DDK MYRTLE BEACH SC
GBI KNOXVILLE TN
OMO MOUNTAIN CITY TN
ARK NASHVILLE TN
EFJ ARLINGTON VA
FG KINGSTON/LICK KB WV

4.89 /5.49
JA AUGUSTA GA
RWS CORDELE GA
QPL MARIETTA GA
PXK CLARKSON KY
KVK HENDERSON KY
CWF NICHOLASVILLE KY
ZCZ FRANKLIN NC
IKY GIBSONVILLE NC
BWC RALEIGH NC
ABW RKY RDG/WALLACE SC
KKO MCMINVL/SHT MT TN
KOG MEMPHIS TN
MOP BLUEFIELD VA
OHX NEWPORT NEWS VA
MOP BLUEFIELD WV
F PARKERSBURG WV

6.265/5.865
KP TRENTON TN

6.01 /6.61
CVY COLUMBUS GA
JEH CONYERS GA
BDP WARNER ROBINS GA
KWV CORBIN KY
KKG LAUREL MS
SNI GREENSBORO NC
JMS NEW BERN NC
NYK GRNVLE/CSRS HD SC
CMY CHATTANOOGA TN
PCD NASHVILLE TN
LSP ABINGDN/BRMLY MT VA
GSP CHESAPEAKE VA
WWQ LYNCHBURG VA
MZI GASSAWAY WV

6.025/6.625
UPE ATL/UNION CITY GA
JWP VIDALIA GA
WO PORT GIBSON MS
RR LAURINBURG NC
FJX CHESTER SC
GBI KNOXVILLE TN
ZQX MARTIN TN
AVW NEW MARKET VA
G FLAT TOP/WINTRPL WV

6.035/6.635
YCU BETSY LAYNE KY

6.04 /6.64
QGR ATLANTA GA
LWT AUGUSTA GA
FWD CARROLLTON GA
GBG WAYCROSS GA
UXJ CAMPBELLSVILLE KY
ITL JACKSON MS
NAY MOOREVILLE MS
YAO HENDERSONVILLE NC
DW RALEIGH NC
NC WINSTON-SALEM NC
FIQ SUMTER SC
QYI CRAB ORCHARD TN
NNE MEMPHIS TN
NTM NASHVILLE W TN
WIC FINCASTLE VA
IH MARION VA
QEY RICHMOND VA
EZR HUNTINGTON/CHAS WV

6.055/6.655
NFP ATLANTA/MARIETTA GA
MNI BOWLING GREEN KY
CEB CONCORD/KANNAP NC
VTX ELIZABETH CITY NC
ABU BROWNSVILLE TN
F CHATT/SIGNAL MT TN
PDP ALEXANDRIA VA
ISI ALTAVISTA VA
BUC UPPER TRACT WV

6.06 /6.66
BKM MACON GA

6.07 /6.67
NSO GAINESVILLE GA
EQL JESUP GA
VHF HAZARD KY
KBL PRINCETON KY
CAX BLUE MT. MS
YGD BURLINGTON NC
BKU CHERRY MT NC
SJ HALIFAX NC
RPC YAUPON BEACH NC
U ST. MATTHEWS SC
DKI BRISTOL TN
BGW LAFOLLETTE/WMT TN
NTM NASHVILLE W TN
HZS BARREN SPRINGS VA
ZR LEXINGTON VA
NTG WILLIAMSBURG VA
JNU RAVENSWOOD WV

6.085/6.685
IWL ADAIRSVILLE GA
UWN FAYETTEVILLE GA
KQ LEWISPORT KY
KHB NATCHEZ MS
NBR GRIFTON NC
QP STATESVILLE NC
CO NEWBERRY SC
PIO LENOIR CITY TN
HTA VIENNA VA
FMD CLARKSBURG WV

6.10 /6.70
MM ALBANY GA
OOM JASPER GA

	DOJ	MILLEDGEVILLE	GA
	TO	SAVANNAH	GA
	JO	GRAYSON	KY
	BDC	LOUISVILLE	KY
	YGM	UNION CITY (TN)	KY
	GY	BAY ST. LOUIS	MS
	LVA	GRENADA	MS
	DEJ	MERIDIAN	MS
	CID	DUNN	NC
	PAX	LANCASTER	SC
	KIE	KNOXVILLE	TN
	UOT	MANCHESTER	TN
	UFT	MEMPHIS	TN
	YGM	UNION CITY	TN
	WQS	DANVILLE/WHT OAK	VA
	D	NORFOLK	VA
	LQC	PENNINGTON GAP	VA
	XD	STAUNTON	VA
	JNU	RAVENSWOOD	WV
6.115/6.715	NVG	LAVONIA	GA
	ABZ	RINGGOLD	GA
	B	BEREA	KY
	TQY	GREENWOOD	MS
	GGN	MILLERS CREEK	NC
	KDC	SPRING LAKE	NC
	NEP	COLUMBIA	SC
	JUB	SALTILLO	TN
	I	BLACKSBURG	VA
	TXE	STERLING	VA
	GL	SHERRARD	WV
6.13 /6.73	MM	ALBANY	GA
	NC	ATLANTA/SWEAT MT	GA
	TVE	BRUNSWICK	GA
	STY	DAWSON SPRINGS	KY
	SWF	LOUISA	KY
	ZXK	VERSAILLES	KY
	IF	BILOXI	MS
	VZF	STARKVILLE	MS
	BWC	RALEIGH	NC
	EXU	SALISBURY	NC
	VNK	WILMINGTON	NC
	FKJ	N. AUGUSTA	SC
	BJY	SIMPSONVILLE	SC
	IOB	KNXVL/ENG MT	TN
	DAZ	MEMPHIS	TN
	WA	WATERTOWN	TN
	DHO	HAMPTON	VA
	AVZ	ALDERSON	WV
6.145/6.745	BKF	ATHENS	GA
	N	DILLON/PEE DEE	SC
	UP	COALFIELD	TN
	RCK	DYERSBURG	TN
	DY	ROANOKE/POOR MT	VA
	U	PARKERSBURG	WV
6.16 /6.76	BOC	STONE MT	GA
	ELN	VALDOSTA	GA
	NSY	FERN CREEK	KY
	KJQ	LEXINGTON	KY
	CUW	PADUCAH	KY
	AXQ	JACKSON	MS
	BVW	ASHVL/MT PISGAH	NC
	GGD	GREENSBORO	NC
	S	SWANSBORO	NC
	THL	WILSON	NC
	ILT	CHARLESTON	SC
	LSP	BRISTOL/HLSTN MT	TN
	PQP	NASHVILLE	TN
	TFZ	CHARLOTTESVILLE	VA
	ZIN	WILLIAMSBURG	VA
	VA	HUNTINGTON	WV
	CUL	MORGANTOWN	WV
	ZQ	WHEELING	WV
6.175/6.775	NFP	MARIETTA	GA
	OCB	WRENS	GA
	PPM	MIDDLESBORO	KY
	JYH	LONG BEACH	NC
	JVO	PULASKI/MUSIC MT	TN
	MUQ	WYTHEVILLE	VA
	BWZ	ELKINS	WV
6.19 /6.79	DMK	FOLKSTON	GA
	KOW	MOULTRIE	GA
	SEX	NEWNAN	GA
	VYX	SWAINSBORO	GA
	U	PAINTSVILLE	KY
	TYP	BILOXI	MS
	S	WEST POINT	MS
	LZD	CLINTON	NC
	QDK	SAURATOWN MT	NC
	FVV	ANDERSON/SAS MT	SC
	ILT	CHARLESTON	SC
	AM	CHATTANOOGA	TN
	ABR	JOHNSON CITY	TN
	SQE	NASHVILLE	TN
	SD	CHESAPEAKE	VA
	LBL	FAIRFAX	VA
	OQC	OAK HILL	WV
6.205/6.805	LT	MILLEDGEVILLE	GA
	NNE	GUTHRIE	KY
	EWG	FAYETTEVILLE	NC
	IZF	GASTONIA	NC
	FYC	ORANGEBURG	SC
	NNE	GUTHRIE (TN/KY)	TN
	HTI	COVINGTON	VA
7.405/6.805	AQS	CALHOUN/JASPER	GA
	HCY	MAGGIE VALLEY	NC
6.22 /6.82	MM	ALBANY	GA
	DOC	ATLANTA	GA
	HAO	LYONS	GA
	MBA	GREENVILLE	MS
	MZ	MAGEE	MS
	PZA	ROARING GAP	NC
	GMP	WILMINGTON	NC
	NYK	GRNVLE/PARIS MT	SC
	E	GREENBRIER	TN
	OAH	LAKE CITY	TN
	BS	MEMPHIS	TN
	SFF	WINCHESTER	TN
	WWB	GATE CITY	VA
	RKC	WINCHESTER	VA
	IFS	CHARLESTON	WV
6.235/6.835	OCB	THOMPSON	GA
	QCO	ASHEVILLE	NC
	UOR	NAGS HEAD/BODIE	NC
	USH	WADESBORO	NC
	IDG	WATERTOWN	TN
	DCX	GRUNDY/BIG A MT	VA
	UTN	LEESVILLE	VA
7.435/6.835	KHQ	DAHLONEGA	GA
	BPV	HIGH POINT	NC
6.25 /6.85	DVJ	DALLAS	GA
	R	LAGRANGE	GA
	QWI	WARNER ROBINS	GA
	CLL	BOWLING GREEN	KY
	IV	PIKEVILLE	KY
	VNO	BAY ST. LOUIS	MS
	JMD	BUDE	MS
	BWW	CLEVELAND	MS
	MFK	IUKA	MS
	LWC	KOSCIUSKO	MS
	CYP	GOLDSBORO	NC
	MDW	HICKORY/BRT. MT	NC
	YFT	REIDSVILLE	NC
	ULH	FLORENCE	SC
	KJH	GTLBG/COVE MTN	TN
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	POX	PORTSMOUTH	VA
	ZBP	STAUNTON	VA
	BO	BECKLEY/FLAT TOP	WV
	L	BUCKHANNON	WV
6.265/6.865	DKY	MADISON	GA
	YF	BIG KNOB/GREY CT	SC
	G	FAYETTEVILLE	TN
7.465/6.865	DWU	ELLISVILLE	MS
	ZRS	WAXHAW	NC
	E	MOUNTAIN LAKE	VA
6.28 /6.88	TOM	COLUMBUS	GA
	TDL	EVANS	GA
	IUD	MARIETTA	GA
	FGH	QUITMAN	GA
	HBB	SAVANNAH	GA
	OAU	LOUISVILLE	KY
	U	MAYTOWN	KY
	AI	SOMERSET	KY
	II	JACKSON	MS
	AAY	PASCAGOULA	MS
	TQD	RALEIGH	NC
	NYR	SHELBY	NC
	CYZ	BRISTOL	TN
	ETE	MEMPHIS	TN
	TOA	NASHVILLE	TN
	SKH	OAK RIDGE	TN
	CYZ	BRISTOL	VA
	ZBE	RICHMOND	VA
	PDL	SALEM	VA
	CQV	SO. CHARLESTON	WV
6.295/6.895	RBS	HARTWELL	GA
	SM	MACON	GA
	JBV	INDEPENDENCE	KY
	YFF	MADISON	NC
	KXV	VIRGINIA BEACH	VA
6.30 /6.90	WVH	IRVINGTON	KY
	SP	FAIRMONT	WV
6.31 /6.91	HIG	CLEVELAND/LONG	GA
	HYB	GRIFFIN	GA
	GFY	MOREHEAD	KY
	VV	HERNANDO	MS
	OCM	NATCHEZ	MS
	ZGQ	AHOSKIE	NC
	MOE	ASHVL/SPIVEY MT	NC
	YZF	FAYVLLE/CFARS	NC
	IZM	LEXINGTON	NC
	BWZ	WHITE HALL	SC
	GZX	CLEVELAND	TN
	DQU	SAVANNAH	TN
	YXA	SHORT MTN	TN
	AXH	CHASE CITY	VA
	TUE	MT.LAKE/BALD KNB	VA
	HLF	TYSONS CORNER	VA
	FQN	MCMECHEN	WV
6.325/6.925	ASI	COVINGTON	GA
	PJR	JESUP	GA
	BEJ	RADCLIFF	KY
	VOJ	CORINTH	MS
	TFZ	CHARLOTTESVILLE	VA
	GJG	DANVILLE(DCC)	VA
	OGY	PRINCETON/PIPEST	WV
6.34 /6.94	N	AUGUSTA	GA
	VO	ROME/MT. ALTO	GA
	RVB	WRIGHTSVILLE	GA
	SN	ASHLAND	KY
	WZH	GLASGOW	KY
	AUZ	LEXINGTON	KY
	NTB	MURRAY	KY
	AI	SOMERSET	KY
	SBK	JACKSON	MS
	JMD	MCCOMB	MS
	DLH	BURGAW	NC
	BFB	CHARLOTTE	NC
	BFT	DURHAM	NC
	ACY	MANTEO/WANCHESE	NC
	XRY	MT AIRY	NC
	IQQ	GREENVILLE	SC
	GBI	KNOXVILLE	TN
	BN	MEMPHIS	TN
	PCD	NASHVILLE	TN
	AKZ	ABINGDON	VA
	UMI	HAMPTON	VA
	ZA	RICHMOND	VA
	AP	ROANOKE	VA
	VKB	SUMMERSVILLE	WV
	JN	WEIRTON	WV
7.54 /6.94	CSW	NEW MARTINSVLLE	WV
6.355/6.955	KIN	PERRY	GA
	PRE	ROCKY TOP MT	GA
	OCP	RABBIT HASH	KY
	NS	RINEYVILLE	KY
	OB	ISOLA	MS
	ULA	ROCKINGHAM	NC
	E	ONEIDA PEAK/BLF	VA
6.37 /6.97	YNZ	ATLANTA	GA
	HBB	SAVANNAH	GA
	DPP	HENDERSON	KY
	TUK	STANTON	KY
	MJM	MERIDIAN	MS
	KYB	PASCAGOULA	MS
	DHS	WINONA	MS
	XRY	MT AIRY	NC
	JQ	SMITHFIELD	NC
	SZ	ANDERSON	SC
	ISM	FLORENCE	SC
	TRC	KNGSPT/BAYS MT	TN
	MWQ	MCMINNVILLE	TN
	BEZ	MEDINA	TN
	SKH	OAK RIDGE	TN
	FPM	MANASSAS	VA
	WRN	MIDDLEBROOK	VA
	KXV	VIRGINIA BEACH	VA
	E	LOGAN/WARD RK MT	WV
	CRW	PARKERSBURG	WV
6.38 /6.98	BEJ	ELIZABETHTOWN	KY
6.385/6.985	I	AUGUSTA	GA
	HHH	ELLIJAY/TALONA M	GA
	TOV	PRESTON	GA
	UUB	ST. MARYS	GA
	UER	WARM SPRINGS	GA
	DMT	SENATOBIA	MS
	OGB	ALBEMARLE	NC
	PVE	MARION	NC
	IY	FRANKLIN	TN
	CA	ROANOKE/POOR MT	VA
	EIV	CHARLES TOWN	WV
6.40 /7.00	NNO	ATLANTA	GA
	UFH	CORINTH	MS
	QFX	WATER VALLEY	MS
	FVO	JACKSONVILLE	NC
	AZA	THOMASVILLE	NC
	YLT	MARION	SC
	YXZ	PICKENS	SC
	AZQ	KNOXVILLE	TN
	ZJM	MEMPHIS	TN
	HMT	SUFFOLK/GASBURG	VA
	GDY	ST ALBANS	WV
7.60 /7.00	WAU	ELKHORN CITY	KY
	LR	SHELBYVILLE	KY
	VOF	COLUMBUS	MS
	KMG	BLOUNTVILLE	TN
	ZOK	CHATT/SIGNAL MT	TN
	SGA	CLARKSVILLE	TN
	ZR	TERRA ALTA	WV
6.415/7.015	GIS	CARTERSVILLE	GA
	M	LYNCHBURG	VA
	AXO	NORTON/HIGH KNOB	VA
7.615/7.015	DT	BONAIRE	GA
	FOW	CLEVELAND/LONG	GA
	UM	MIDWAY	GA
	FDK	LEXINGTON	KY
	JHK	MONTICELLO	NC
	KPF	LK NORMN/CLT	NC
	YP	SELMA	NC
	UMU	SUMTER	SC
	JVV	LEBANON	TN
	KS	ROCKWOOD	TN
	YGM	UNION CITY	TN
	LNT	FREDRICKSBURG	VA
6.43 /7.03	D	LAUREL	MS
	YTZ	ROCK HILL	SC
	MVR	LEXINGTON	TN
	JST	RICHMOND	VA
7.63 /7.03	REI	ATLANTA/AIRPORT	GA
	ZVL	HOPKINSVILLE	KY
	PJZ	LOUISVILLE	KY
	A	OWENSBORO	KY
	LDD	OCEAN SPRINGS	MS
	GG	GREENSBORO	NC
	DTS	ROANOKE RAPIDS	NC
	FOF	BARNWELL	SC
	HOG	N. MYRTLE BEACH	SC
	YGI	COLLIERVILLE	TN
	NIQ	FAYETTEVILLE	TN
	PRQ	MORRISTOWN	TN
	BLD	WAYNESBORO	VA
	IT	MULLINS/HRNDN MT	WV
	ECC	ST MARYS/BENS R	WV
6.445/7.045	AIH	ANDREWS/ROBBINSV	NC
	FLR	FAYETTEVILLE	NC
7.645/7.045	TYM	METTER	GA
	NFA	WATKINSVILLE	GA
	VF	GRETHEL	KY
	JRL	STATSVL/ASBRY MT	NC
	HKZ	COOKEVILLE	TN
	AYN	NASHVILLE	TN
	RAG	STAUNTON/EL KB	VA
	SBC	VIRGINIA BEACH	VA
6.46 /7.06	CQ	CHARLOTTE	NC
	LBM	ALTON	VA
	PNC	PRINCETON	WV
7.66 /7.06	DDI	MACON	GA
	CLA	ROSWELL	GA
	UCJ	THOMASVILLE	GA
	WQ	PADUCAH	KY
	K	HATTIESBURG	MS
	LED	MACO	NC
	VFR	SUMTER/SHAW	SC
	UG	GRNVLE/VIKING MT	TN
	MQQ	MEMPHIS	TN
	QEB	SHELBYVILLE	TN
	ECM	ENON	VA
	KNM	POINT PLEASANT	WV
7.67 /7.07	NMC	LOUISVILLE	KY
6.475/7.075	GBS	MORGANTON	GA
	WRP	GIBSONVILLE	NC
7.675/7.075	JXR	LAWRENCEVILLE	GA
	TLP	OWINGSVILLE	KY
	Y	JACKSON	MS
	HBQ	BURLINGTON	NC
	L	NEWTON	NC
	E	GREENBRIER	TN
	GBI	KNOXVILLE	TN
	O	MCNAIRY	TN
	PNT	WAYNESBORO	VA
	QC	MORGANTOWN	WV
7.69 /7.09	CVE	ST SIMONS ISL	GA
	ZAC	HARLAN	KY
	YK	PHELPS	KY
	DSN	AMORY	MS
	MRS	NEW HEBRON	MS
	GDF	GREENVL/ESTN NC	NC
	RP	ORANGEBURG	SC
	JLA	SPARTANBURG	SC
	ATI	GERMANTOWN	TN
	NLP	JAMESTOWN	TN
	VL	GALAX/BRIRP MT	VA
7.705/7.105	YSB	ATLANTA	GA
	D	STATESBORO	GA
	FGA	MARION	KY
	HXG	WAYNESBORO	MS
	JCK	MONROE	NC
	GHH	MOUNTAIN HOME	NC
	TC	HENDERSON	TN
	JBJ	BEDFORD	VA
	JTH	MT STORM	WV
	Z	SPENCER	WV
6.09 /7.11	ZLR	LOGAN	WV
7.72 /7.12	MM	ALBANY	GA
	S	AUGUSTA	GA
	CMA	CEDARTOWN	GA
	U	BENTON	KY
	ASZ	WINCHESTER	KY
	N	ACKERMAN	MS
	REW	GAST/SPCR MT	NC
	V	GIBSONVILLE	NC
	EWL	ROCKY MOUNT	NC
	JMT	MYRTLE BEACH	SC
	ZYX	COLUMBIA	TN
	GMV	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	FAF	CULPEPER	VA
	DKM	BRIDGEPORT	WV
7.735/7.135	BZJ	DALTON	GA
	FRM	MILLEDGEVILLE	GA
	Y	VALDOSTA	GA
	LRQ	PETAL	MS
	CJS	BREVARD/RICH MTN	NC
	ABW	CHERAW	SC
	EDS	ALAMO	TN
	AZJ	PEARISBURG	VA
	HB	RICHMOND	VA
7.75 /7.15	TFW	ALBANY	GA
	BYK	CUMMING/SAWNEE	GA
	III	PEARL	MS
	VLY	MORGANTON	NC
	TQD	RALEIGH	NC
	BJM	MONCKS CORNER	SC
	SDT	SIMPSONVILLE	SC
	PCD	NASHVILLE	TN
	EAJ	OAK RIDGE	TN
	QJZ	JEWELL RIDGE	VA
	SVR	ST ALBANS	WV
7.765/7.165	KIN	FORSYTH	GA
	HBM	LEXINGTON	KY
	UBY	PRESTONSBURG	KY
	RIS	HIGH POINT	NC
	VIA	GREENWOOD	SC
	CEX	PURYEAR	TN
	CTF	NEWPORT NEWS	VA
	FJT	WARRENTON	VA
7.78 /7.18	BMA	AUGUSTA	GA

NHW BALDWIN ..... GA
BI SYCAMORE ..... GA
H BAXTER ..... KY
RBI DIXON ..... KY
CN LOUISVILLE ..... KY
UDQ INVERNESS ..... MS
EJJ SANFORD ..... NC
SFK TRYON/MELROSE MT.. NC
CTJ WILMINGTON ..... NC
NAT DORCHESTER ..... SC
SC FT MILL/CAROWND ..... SC
KOG MEMPHIS ..... TN
PCD NASHVILLE ..... TN
DES POLK CTY/OSWALD ..... TN
Z PKS KB/PULASKI ..... VA
NMT LEON ..... WV
7.795/7.195 B ATLANTA ..... GA
UCJ BOSTON ..... GA
NIN LENOIR ..... NC
WB MURPHY ..... NC
RTS LYNCHBURG ..... VA
H HORSEPEN MT ..... WV
7.81 /7.21 TF CONYERS ..... GA
TO SAVANNAH ..... GA
BUZ GREENSBORO ..... NC
MSD WHITEVILLE ..... NC
AVU LITTLE MT. ..... SC
WS COOKEVILLE ..... TN
SBX GRAY/HOLSTON MT ..... TN
WKZ JACKSON ..... TN
IWG MCLEAN ..... VA
TC CHARLESTON ..... WV
7.825/7.225 ZUN JEFFERSON ..... GA
LVY SUMMERVILLE ..... GA
NFK LITCHFIELD ..... KY
UQS ASHEVILLE ..... NC
WTX HILLSBOROUGH ..... NC
DTW SANTEE ..... SC
OAH MORRISTOWN ..... TN
C HARRISONBURG ..... VA
NRK PRINCETON ..... WV
7.84 /7.24 NFG IRWINTON ..... GA
DII ASHLAND ..... KY
AVE FAIR DEALING ..... KY
AI FRANKFORT ..... KY
NAR MAYFIELD ..... KY
R TUPELO ..... MS
NIW CARTHAGE ..... NC
ACP EDEN ..... NC
PBG FOREST CITY ..... NC
GHZ FRANKLIN ..... NC
ILN HILTON HEAD ..... SC
AC LANCASTER ..... SC
BKY GALLATIN ..... TN
OG LUNENBURG CT.HSE.. VA
FQR WOODBRIDGE ..... VA
7.855/7.255 KDT ATLANTA ..... GA
CO HIGHLAND HEIGHTS ... KY
AV ASHEBORO ..... NC
KNI HENDSVL/PENIC/MT.... NC
BZU NASHVILLE ..... TN
SI PETROS/FRZ HD MT..... TN
TVS ACCOMAC ..... VA
CYZ DANTE ..... VA
VAZ MARTINSBURG ..... WV
7.87 /7.27 EBB AMERICUS ..... GA
KWT LOUISVILLE ..... KY
GEL PIKEVILLE ..... KY
USN ABERDEEN ..... MS
SXK VICKSBURG ..... MS
H BENSON ..... NC
SM WAYNESVILLE ..... NC
LET CHARLESTON ..... SC
JRJ SENECA/LONG MT ..... SC
YQC GALLATIN ..... TN
FH JOHNSON CITY ..... TN
OWI MEMPHIS ..... TN
TMC PINSON ..... TN
IKL GUM SPRING ..... VA
S SCOTT DEPOT ..... WV
7.885/7.285 EVD ASHBURN ..... GA
VBX ATLANTA/GPCO ..... GA
FGA MARION ..... KY
EZN COLUMBIA ..... MS
ADM AIKEN ..... SC
DCD MYB BCH/BRKSVIL ..... SC
MGM WHITE OAK MTN ..... SC
PUX PIKEVILLE ..... TN
ZS MARTINSVILLE ..... VA
HON SPRUCE KNOB ..... WV
7.90 /7.30 ACY PERRY ..... GA
YSV ROME ..... GA
U PRESTONSBURG ..... KY
SJH SPRINGFIELD ..... KY
LNY MAGEE ..... MS
YJG JEFFERSON ..... NC
MZP RED SPRINGS ..... NC
OMV TUCKASEGEE ..... NC
ESG MT. PLEASANT ..... SC
BBB KNOXVILLE ..... TN
ADT MEMPHIS ..... TN
ZSA NASHVILLE ..... TN
SPS FRANKLIN ..... VA
ZR LEXINGTON ..... VA
TSC WINCH/BLUEMONT ..... VA
NSL HARRISVL/PENSBRO.... WV
7.915/7.315 REB TWIN CITY ..... GA

IL SALEM ..... KY
PPD SHALLOTTE ..... NC
JYH WALKERTOWN ..... NC
UZT N. SPARTANBURG ..... SC
HFH ALEXANDRIA ..... VA
HWQ GRUNDY ..... VA
SAD HARRISONBURG ..... VA
MR CLARKSBURG ..... WV
7.93 /7.33 BXO LAGRANGE ..... GA
DIP TOCCOA ..... GA
KWH ASHLAND ..... KY
KNE MT. STERLING ..... KY
IUI PROVIDENCE ..... KY
CYR MCHENRY ..... MS
EPP PHILADELPHIA ..... MS
LPL FAYVLLE/FT BRAGG .... NC
K LENOIR/HIBRITN ..... NC
NUY COLUMBIA ..... SC
VXW COVINGTON ..... TN
WYI ROCKWOOD ..... TN
ZR LEXNGTN/ROCK MT. ... VA
ZIP WARSAW ..... VA
7.945/7.345 NEQ ATLANTA/MARIETTA .... GA
PJR JESUP/SCREVEN ..... GA
IZD LYNCH/BLACK MT ..... KY
JC CLINTON ..... MS
NYR SHELBY ..... NC
TEP WASHINGTON ..... NC
DRU AWENDAW ..... SC
WF HENDERSONVILLE ..... TN
MMI RAMER ..... TN
SJM GLADYS ..... VA
RUA FRANKLIN ..... WV
K LOGAN/SUMERCO ..... WV
7.96 /7.36 CLC DOUGLASVILLE ..... GA
HZX DUBLIN ..... GA
Z LOUISVILLE ..... KY
CJR HATTIESBURG ..... MS
KCG LOUISVILLE ..... MS
SVC NATCHEZ ..... MS
KDB BOONE/RICH MTN ..... NC
LDB DURHAM ..... NC
Z LUMBERTON ..... NC
EOY COLUMBIA ..... SC
OAK LAFOLLETTE ..... TN
MMI MEMPHIS ..... TN
NTM NASHVILLE ..... TN
KLX PARIS ..... TN
MMI POCAHONTAS ..... TN
CBB CHESTERFIELD ..... VA
OLM STUARTS DRAFT ..... VA
F PARKERSBURG ..... WV
7.975/7.375 TQU ATHENS/CRAWFORD .. GA
VAK LAFAYETTE ..... GA
CO WALTON ..... KY
VFU GULFPORT ..... MS
YN BURNSVILLE ..... NC
ROK GREENVILLE ..... NC
DCD TABOR CITY ..... NC
DMI GEORGETOWN ..... SC
LEO GREENVILLE ..... SC
ILD LYNCHBURG ..... VA
NV VIRGINIA BEACH ..... VA
LNB GRAFTON ..... WV
WMX ST ALBANS ..... WV
7.98 /7.38 NAY PONTOTOC ..... MS
7.99 /7.39 IMK THOMASTON ..... GA
NON COVINGTON ..... KY
RBL LA GRANGE ..... KY
PDJ WHTSBRG/PINE MT. ... KY
UNA PRENTISS ..... MS
CHZ AQUADALE ..... NC
PLY CHARLOTTE ..... NC
QBG EDEN/STONEVILLE ..... NC
FAU SHALLOTTE ..... NC
AC SMITHFIELD ..... NC
FEC LEXINGTON ..... SC
TA CLARKSVILLE ..... TN
ZLA DAYTON/RHEA CTY..... TN
BJY OAKFIELD ..... TN
OBW SULPHUR SPRINGS..... TN
AJO MADISON ..... VA
ARO PETERSBURG ..... VA
CRW PARKERSBURG ..... WV
6.19 /7.51 HBY MEMPHIS ..... TN
7.075/7.675 NGQ FRANKFORT ..... KY
7.315/7.915 SPJ FORSYTH ..... GA

220 MHZ

3.94 /2.34 DBB BEDFD/APL ORCH ..... VA
2.12 /3.72 KHP STERLING PARK ..... VA
2.14 /3.74 VMI LEXINGTON ..... KY
2.30 /3.90 NSO GAINESVILLE ..... GA
RAB HERMITAGE ..... TN
2.32 /3.92 UXD AUGUSTA ..... KY
AZA THOMASVILLE ..... NC
2.34 /3.94 UPC YORKVILLE ..... GA
QK ASHLAND ..... KY
BVW ASHVL/MT PISGAH ..... NC
WTX HILLSBOROUGH ..... NC
GP CLARKSVILLE ..... TN
ZJM MEMPHIS ..... TN
HTA VIENNA ..... VA
2.38 /3.98 ELN VALDOSTA ..... GA
HUV LINWOOD ..... NC
ZSA GALLATIN ..... TN

2.40 /4.00 HQ DELTAVILLE ..... VA
2.42 /4.02 GLC BRUNSWICK ..... GA
JEH CONYERS ..... GA
EHF FAYETTEVILLE ..... NC
TXE LEESBURG ..... VA
2.44 /4.04 BZJ DALTON ..... GA
2.46 /4.06 UPC YORKVILLE ..... GA
MB ARLINGTON ..... VA
2.48 /4.08 GIS CARTERSVILLE ..... GA
NTM NASHVILLE ..... TN
2.50 /4.10 F CORNELIA ..... GA
CII RIDGEVILLE ..... SC
YHD FAIRFAX ..... VA
DBB ROANOKE ..... VA
2.52 /4.12 NFP ATLANTA/MARIETTA .... GA
FEC LITTLE MT. ..... SC
G FLAT TOP/WINTRPL ..... WV
2.54 /4.14 WOR GREENSBORO ..... NC
QHF PICKENS/CSRS HD..... SC
SGS FRANKLIN ..... TN
M WILLIAMSON ..... WV
2.56 /4.16 JNN SASAFRAS MTN ..... GA
K LENOIR/HIBRITN ..... NC
MC NASHVILLE ..... TN
2.58 /4.18 YDX DALLAS ..... GA
NRL CHARLESTON ..... SC
DAS VIRGINIA BEACH ..... VA
2.60 /4.20 UA AUGUSTA ..... GA
ILY GREER ..... SC
KMG BLOUNTVILLE ..... TN
YTU BROWNSVILLE ..... TN
PEA HAMPDEN-SYDNEY..... VA
2.62 /4.22 ZKK VERSAILLES ..... KY
ACP MAYODAN MT. ..... NC
C ROCKY MOUNT ..... NC
FZK KNXVL/CROSS MT ..... TN
EHB SPRINGFIELD ..... TN
2.64 /4.24 YYD ELLIJAY-BUCK MTN..... GA
KNI HENDSVL/BERWLW M. NC
2.66 /4.26 NP SHORT MTN. ..... TN
2.68 /4.28 BLR ATLANTA ..... GA
OAK LAFOLLETTE ..... TN
M LYNCHBURG ..... VA
2.70 /4.30 MKT LOUISVILLE ..... KY
PVI STATESVILLE ..... NC
2.72 /4.32 JBF THOMASVILLE ..... GA
KYB PASCAGOULA ..... MS
N PICKENS/SASFR MT..... SC
US CLEVELAND ..... TN
2.74 /4.34 DOC ATLANTA ..... GA
2.76 /4.36 TYO MARSHALL ..... NC
YST CHARLESTON ..... WV
2.78 /4.38 RBT CLEVELAND ..... GA
GJG DANVILLE ..... VA
2.80 /4.40 TF CONYERS ..... GA
DWU ELLISVILLE ..... MS
BFB CHARLOTTE ..... NC
QHF PICKENS ..... SC
YGI COLLIERVILLE ..... TN
2.82 /4.42 YSV ROME ..... GA
VEZ LOUISVILLE ..... KY
BS MEMPHIS ..... TN
KHP FAIRFAX ..... VA
NDQ NORTON/HIGH KB ..... VA
2.84 /4.44 NEQ ATL/MARIETTA ..... GA
G WEST SPRINGS ..... SC
OG NASHVILLE ..... TN
GLA DANVLE/WHITE OAK ... VA
2.86 /4.46 YON KNOXVILLE ..... TN
FUJ LOVETTSVILLE ..... VA
2.88 /4.48 PRH NORCROSS ..... GA
ZIA LOCUST ..... NC
QC PARSONS ..... WV
2.90 /4.50 TYP BILOXI ..... MS
YNY WILMINGTON ..... NC
BBB KNOXVILLE ..... TN
DRL MEM/FISHERVILLE ..... TN
BVI MARTINSVILLE ..... VA
2.92 /4.52 KSM WALESKA/PNLGMT ..... GA
RWN LITTLE MTN ..... SC
OBW JONESBOROUGH ..... TN
3.92 /4.52 RPB GLEN ..... MS
2.94 /4.54 BVW MT MITCHELL ..... NC
2.96 /4.56 DOC ATL/CHESTNUT MT ..... GA
2.98 /4.58 F PIKEVILLE ..... KY
YHH SAURATOWN MT ..... NC
VFD CROSS ..... SC
3.00 /4.60 N ASHEVILLE ..... NC
NNR HIGH POINT ..... NC
HMT GASBURG/LK GASTN .. VA
3.02 /4.62 ZTL ATLANTA/BELL ..... GA
ETG PIKEVILLE ..... KY
BLQ ARK ..... VA
3.04 /4.64 ABZ RINGGOLD ..... GA
PEN RALEIGH ..... NC
YHH WINSTON-SALEM..... NC
M COLUMBIA ..... SC
3.06 /4.66 BKM MACON ..... GA
PLA MARS HILL ..... NC
MC NASHVILLE ..... TN
FPM MANASSAS ..... VA
3.08 /4.68 BZJ DALTON ..... GA
KPF LK NORMN/CLT ..... NC
3.10 /4.70 GY BAY ST. LOUIS ..... MS
RXG SAURATOWN MT ..... NC
ARO PETERSBURG ..... VA
3.12 /4.72 MBK CLAYTON ..... GA

MSK MT. TOXAWAY ..... NC
KO COLUMBIA ..... TN
KHP TYSONS CORNER ..... VA
3.14 /4.74 KVC DALTON ..... GA
TFU BURNSVILLE ..... NC
PYI NASHVILLE ..... TN
WQJ VIRGINIA BEACH ..... VA
FG KINGSTON/LICK KB ..... WV
3.16 /4.76 BOC STONE MT. ..... GA
EXU SALISBURY ..... NC
E GREENBRIER ..... TN
3.18 /4.78 D ACKERMAN ..... MS
WGY EDEN ..... NC
VCM CHATTANOOGA ..... TN
UCI JC/BUFFALO MT ..... TN
KOG MEMPHIS ..... TN
GJZ WOODBRIDGE ..... VA
3.20 /4.80 PML MORGANTON ..... NC
3.22 /4.82 C ATLANTA ..... GA
MOP LOUISVILLE ..... KY
D ACKERMAN ..... MS
DWU CANTON ..... NC
HTS GREENSBORO ..... NC
CCF ALEXANDRIA ..... VA
3.24 /4.84 ACY PERRY ..... GA
DAN GRIFTON ..... NC
PLV BEDFORD ..... VA
3.26 /4.86 JNN ALPHARETTA ..... GA
TGK ORANGEBURG ..... SC
GYR SUMTER ..... SC
UHA HAMPTON ..... VA
3.28 /4.88 UPC YORKVILLE ..... GA
VNO BAY ST. LOUIS ..... MS
AIH ANDREWS/ROBBINSV . NC
RXG SAURATOWN MT ..... NC
DRL FISHERVILLE ..... TN
3.30 /4.90 QPL MARIETTA ..... GA
ST PONTOTOC ..... MS
EOY COLUMBIA ..... SC
ZOK CHATT/SIGNAL MT ..... TN
3.32 /4.92 NYK PARIS MT/GRNVL ..... SC
3.34 /4.94 KXO AUGUSTA ..... GA
UPC PINE LOG MT. ..... GA
EV ROSSVILLE ..... GA
YUU LEXINGTON ..... KY
JJ FLORENCE ..... SC
NKM GREENEVILLE ..... TN
DBB ROANOKE/POOR MTN VA
3.36 /4.96 ZJG HIRAM ..... GA
UDS CHERRYVILLE ..... NC
JVX GOLDSBORO ..... NC
WTB SAURATOWN MT ..... NC
TUN AIKEN ..... SC
OLM STUARTS DRAFT ..... VA
3.38 /4.98 JSR CUMMING ..... GA
CHP FALLS CHURCH ..... VA

440 MHZ

9.45 /5.67 DOC ATLANTA ..... GA
9.25 /1.25 PXX BRNSWK/JEKYLL IS..... GA
AZA SAURATOWN MT ..... NC
GUP LEXINGTON ..... SC
ERU MEMPHIS ..... TN
ZQ NASHVILLE ..... TN
9.250/1.250 TPI PULASKI ..... TN
9.25 /3.25 UMU SUMTER ..... SC
VHP SAVANNAH ..... GA
GVK ALEXANDRIA ..... VA
WIN NORFOLK ..... VA
NOJ WAYNESBORO ..... VA
MM ALBANY ..... GA
AOH OWENSBORO ..... KY
NYR SHELBY ..... NC
1.25 /9.25 ERU MEMPHIS ..... TN
6.25 /9.25 FHL ROANOKE/POOR MT.. VA
7.00 /2.00 RTH ALPHARETTA ..... GA
ORL LOUISVILLE ..... KY
HMT GASBURG ..... VA
IQV MARION ..... VA
CSG WINCHESTER ..... VA
7.025/2.025 JA AUGUSTA ..... GA
7.05 /2.05 XV JASPER ..... TN
BEZ MEDINA ..... TN
7.075/2.075 GYM COLUMBIA ..... SC
7.10 /2.10 ACP MAYODAN ..... NC
ABJ MILAN ..... TN
7.125/2.125 PLP ROSSVILLE ..... GA
7.15 /2.15 BEA RALEIGH ..... NC
J CHATTANOOGA ..... TN
7.150/2.150 TPI PULASKI ..... TN
7.175/2.175 EO ROCKY FACE ..... GA
YUY ROANOKE ..... VA
7.20 /2.20 APR DECATUR ..... GA
SBX GRAY/HOLSTON MT.... TN
BJY OAKFIELD ..... TN
TXE STERLING ..... VA
QC PARSONS ..... WV
7.225/2.225 KWT LOUISVILLE ..... KY
7.25 /2.25 IS GREENVILLE ..... SC
DES OSWALD DOME ..... TN
HTI COVINGTON ..... VA
7.275/2.275 VTT MACON ..... GA
7.30 /2.30 VFD CROSS ..... SC
7.325/2.325 JSR CHATTANOOGA ..... TN
7.40 /2.40 FE WARM SPRINGS ..... GA
XV LATONIA ..... KY

	QHF	PICKENS/CSRS HD	SC
	YI	LYNCHBG/JACK MT	VA
7.45 /2.45	LMR	RALEIGH	NC
7.475/2.475	NVG	LAVONIA	GA
7.50 /2.50	MLF	LOUISVILLE	KY
	NTZ	KNOXVILLE	TN
	CA	ROANOKE/POOR MT	VA
7.500/2.500	YNY	WILMINGTON	NC
7.55 /2.55	JEH	CONYERS	GA
	MMY	PITTSBORO	NC
7.625/2.625	NSO	GAINESVILLE	GA
	EPG	MEMPHIS	TN
7.675/2.675	UP	ETHRIDGE	TN
7.70 /2.70	HHH	ELLIJAY	GA
	AZU	SAVANNAH	GA
	VG	ROANOKE/POOR MT	VA
7.75 /2.75	GR	BAKERSVILLE	NC
7.80 /2.80	NFP	ATL/MARIETTA	GA
	EPG	JACKSON	TN
7.825/2.825	G	MEMPHIS	TN
7.90 /2.90	AZA	THOMASVILLE	NC
7.95 /2.95	FU	LYNCHBURG	VA
7.975/2.975	YNZ	ATLANTA	GA
8.00 /3.00	OGF	CHATSWORTH	GA
	EOY	COLUMBIA	SC
	ZJM	MEMPHIS	TN
	X	WHITETOP MTN	VA
	EZR	HUNTINGTON	WV
8.80 /3.00	KOG	MEMPHIS	TN
8.05 /3.05	JVX	GOLDSBORO	NC
	PUB	MT JULIET	TN
8.10 /3.10	IZD	LYNCH/BLACK MT	KY
	GGC	SAURATOWN MT	NC
	N	GRNVLE/PARIS MT	SC
	GPM	FAYETTEVILLE	TN
	JXT	MEMPHIS	TN
	FHE	BUCKHANNON	WV
8.15 /3.15	MHR	ST. ALBANS	WV
8.20 /3.20	CLA	SWEAT MT	GA
	UG	GRNVLE/VIKING MT	TN
	BS	MEMPHIS	TN
8.25 /3.25	HTA	VIENNA	VA
8.275/3.275	KLW	ROCKMART	GA
8.30 /3.30	X	ATHENS	GA
	SSB	GALLATIN	TN
	KJH	GATLBG/COVE MT	TN
	KQI	STUART/SPOON MTN	VA
8.325/3.325	JMD	STOCKBRIDGE	GA
	JMD	STOCKBRIDGE	GA
8.35 /3.35	YYD	ELLIJAY-BUCK MTN	GA
	LFU	RICHMOND	VA
8.375/3.375	AQS	CALHOUN/JASPER	GA
8.40 /3.40	RDM	HAMPTON	GA
	WTB	SAURATOWN MT	NC
	RPC	YAUPON BEACH	NC
	TUN	AIKEN	SC
	DBJ	CUMBERLAND CITY	TN
	QWW	MEMPHIS	TN
8.425/3.425	MDE	JASPER	GA
	SQC	JOHNSON CITY	TN
8.45 /3.45	VAK	HIGH PT/LOOKT MT	GA
	VOZ	STATESVILLE	NC
	KRM	SHELBYVILLE	TN
8.50 /3.50	EQC	LOUISVILLE	KY
	X	LAUREL	MS
	PQZ	GREENSBORO	NC
	GYM	COLUMBIA	SC
	WKS	PARIS/GROVE HL	TN
	GUS	TYSONS CORNER	VA
8.55 /3.55	IN	DACULA	GA
	XE	ROARING GAP	NC
8.575/3.575	PXV	GRANDFATHER MTN	NC
8.60 /3.60	BA	MARIETTA	GA
	HYE	MENDENHALL	MS
	DWU	MT MITCHELL	NC
	CXD	FOREST	VA
8.625/3.625	PTK	JAMESTOWN	TN
8.65 /3.65	ZV	ATLANTA	GA
	D	ACKERMAN	MS
	AIH	ANDREWS/ROBBINSV	NC
	UMI	HAMPTON	VA
	BON	ROANOKE/POOR MT	VA
8.70 /3.70	BA	MARIETTA	GA
	KGJ	HATTIESBURG	MS
	LXW	HIGH POINT	NC
	LBT	LOCUST	NC
	DOR	BARTLETT	TN
8.75 /3.75	TF	COVINGTON	GA
	EDS	ALAMO	TN
	WIC	WINDY GAP MT	VA
8.80 /3.80	NFP	ATLANTA/MARIETTA	GA
	IAT	NATCHEZ	MS
	HNK	SUMMERVILLE	SC
	NDH	CHESAPEAKE	VA
	VA	INDEPENDNCE HILL	VA
	VA	INDEPENDNCE HILL	VA
	JRL	WYTHEVILLE	VA
8.85 /3.85	PN	WALESKA/PNLOG MT	GA
	ULM	FRANKLIN	TN
8.875/3.875	MZ	HAW RIVER	NC
	LZQ	CAESARS HEAD	SC
8.90 /3.90	GWA	GRIFFIN	GA
	EVG	CHESAPEAKE	VA
8.925/3.925	LJU	RINGGOLD	GA
8.95 /3.95	RYF	MEMPHIS	TN
	NTG	WILLIAMSBURG	VA
8.975/3.975	BRN	MEMPHIS	TN
	WJS	ROCKWOOD	TN
9.00 /4.00	QDX	LAWRENCEVILLE	GA
	WRX	JACKSON	MS
	JEQ	HICKORY	NC
	YP	SELMA	NC
	ADT	MEMPHIS	TN
	SN	PORTSMOUTH	VA
	IT	MULLENS/HRNDN MT	WV
9.025/4.025	MSE	STONE MT	GA
	V	GIBSONVILLE	NC
	RDK	MEMPHIS	TN
9.05 /4.05	PQD	MARIETTA	GA
	OG	NASHVILLE	TN
	AVA	GREAT FALLS	VA
	OLM	STUARTS DRAFT	VA
9.10 /4.10	MNI	BOWLING GREEN	KY
	WTT	LOUISVILLE	KY
	WUX	MERIDIAN	MS
	WTX	DURHAM	NC
	AM	CHATTANOOGA	TN
	JXT	MEMPHIS	TN
	RAG	STAIMTPM/EL KNB	VA
	LFS	WILLIAMSBURG	VA
9.15 /4.15	ZTL	ATLANTA/BELL	GA
	BJT	CLERMONT HARBOR	MS
	YCR	NEW ALBANY	MS
	NTM	NASHVILLE	TN
	MB	ARLINGTON	VA
	ZR	LEXNGTN/ROCK MT	VA
	VA	SPRINGFIELD	VA
9.175/4.175	COV	UNION	KY
9.20 /4.20	LBM	DECATUR	GA
	U	MAYTOWN	KY
	YNF	AHOSKIE	NC
	NHN	COLUMBIA	SC
	WL	COLUMBIA	SC
	YTU	BROWNSVILLE	TN
	NEX	MORRISTOWN	TN
	ECM	ENON	VA
	EZA	WAYNESBORO	VA
9.25 /4.25	BOC	ATLANTA/STONE MT	GA
	DC	GLASGOW/CVCTY	KY
	CYR	GULFPORT	MS
	KNI	HENDSVL/BERWLW M	NC
	F	SMITHFIELD	NC
	PAJ	BARTLETT	TN
	E	GREENBRIER	TN
	TFZ	CHARLOTTESVILLE	VA
9.30 /4.30	WH	JENKINS	KY
	ZZD	LOUISVILLE	KY
	WOR	GREENSBORO	NC
	MNH	CHARLESTON	SC
	DRL	FISHERVILLE	TN
	GBI	KNOXVILLE	TN
	EFK	FALLS CHURCH	VA
9.325/4.325	BA	MARIETTA	GA
	MMY	PITTSBORO	NC
	T	WYTHEVILLE	VA
9.35 /4.35	JF	TIFTON	GA
	OCP	HIGHLAND HEIGHTS	KY
	V	GIBSONVILLE	NC
	BKY	GALLATIN	TN
	DBB	BEDFD/APL ORCH	VA
9.375/4.375	IZF	JASPER	GA
9.40 /4.40	UA	AUGUSTA	GA
	ULJ	HAMILTON	GA
	LU	LAWRENCEVILLE	GA
	RBL	LA GRANGE	KY
	LTW	MERIDIAN	MS
	YZF	FAYETTEVILLE	NC
	KOG	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	ARO	PETERSBURG	VA
	G	ALDERSON	WV
9.90 /4.40	YWH	HIGHLAND HEIGHTS	KY
9.425/4.425	ISI	ALTAVISTA	VA
9.45 /4.45	YTU	BROWNSVILLE	TN
	KWP	GALLATIN	TN
	J	HIXSON	TN
	ZOA	FALLS CHURCH	VA
9.50 /4.50	MM	ALBANY	GA
	UWL	ATLANTA	GA
	APA	HENDERSON	KY
	MOP	LOUISVILLE	KY
	ICX	LEXINGTON	NC
	PEN	RALEIGH	NC
	LSP	BRISTOL/HLST MT	TN
	KSL	KNOXVILLE	TN
	ZAI	ALEXANDRIA	VA
	HEX	LYNCHBURG	VA
9.525/4.525	VF	GRETHEL	KY
	MRS	NEW HEBRON	MS
	DCD	MYB BCH/BRKSVIL	SC
9.55 /4.55	JEH	CONYERS	GA
	NEF	TYRONE	GA
	KQ	LEWISPORT	KY
	IF	N.BILOXI/D'IBERV	MS
	VTE	GASTONIA	NC
	VM	ROANOKE RAPIDS	NC
	VM	ROANOKE RAPIDS	NC
	Y	COOKEVILLE	TN
	OGT	HAMPTON	VA
9.575/4.575	OG	NASHVILLE	TN
9.60 /4.60	NMC	LOUISVILLE	KY
	CO	JACKSON	MS
	BFB	CHARLOTTE	NC
	HAP	KNOXVILL/ENG MTN	TN
	JXI	MEMPHIS	TN
	HFH	ALEXANDRIA	VA
9.625/4.625	WQ	ATLANTA	GA
	OCF	RICHTON	MS
	E	BLUEFIELD	VA
9.65 /4.65	IBW	SMYRNA	GA
	ST	PONTOTOC	MS
	MME	SALISBURY	NC
	NKM	GREENEVILLE	TN
	OYS	SHORT MTN	TN
	ARO	RICHMOND	VA
	QC	THOMAS	WV
9.675/4.675	EBZ	NEWNAN	GA
	DWU	ELLISVILLE	MS
	AY	NASHVILLE	TN
	MIZ	NORFOLK	VA
9.70 /4.70	LUQ	DALLAS	GA
	HHH	ELLIJAY TALONA M	GA
	ELN	VALDOSTA	GA
	AUN	LOUISVILLE	KY
	Y	JACKSON	MS
	JEH	ROCKY MOUNT	NC
	DRU	MT PLEASANT	SC
	WWB	GATE CITY	VA
	LG	MORGANTOWN	WV
9.725/4.725	NFA	WATKINSVILLE	GA
9.75 /4.75	EMM	CONYERS	GA
	VZF	STARKVILLE	MS
	TC	HENDERSON	TN
	KQI	FOREST	VA
	JYF	TYSONS CORNER	VA
	BNW	CHARLESTON	WV
9.775/4.775	NEQ	ATLANTA/MARIETTA	GA
	F	PARKERSBURG	WV
9.80 /4.80	ASI	COVINGTON	GA
	BEJ	ELIZABETHTOWN	KY
	CO	JACKSON	MS
	J	GREENVILLE	NC
	JXI	MEMPHIS	TN
	LP	MORRISTOWN	TN
	MIC	OILVILLE	VA
	G	BECKLEY/KINGSTON	WV
	CUL	MORGANTOWN	WV
9.825/4.825	UY	MT AIRY/FSH PK	NC
	UY	MT. AIRY	NC
	FC	MEMPHIS	TN
	ZBP	STAUNTON	VA
9.85 /4.85	BZJ	DALTON	GA
	YUU	LEXINGTON	KY
	WRE	POPLARVILLE	MS
	CQ	CHARLOTTE	NC
	GMP	WILMINGTON	NC
	NDQ	NORTON/HIGH KNOB	VA
	ARO	RICHMOND	VA
9.875/4.875	LRD	CHATTANOOGA	TN
	BOX	JACKSON	TN
	WTP	BIG "A" MTN	VA
9.90 /4.90	D	ACKERMAN	MS
	DWT	ASHEVILLE	NC
	ZW	FAYETTEVILLE	NC
	JMS	NEW BERN	NC
	J	WILSON	NC
	MMI	MEMPHIS	TN
	IDG	WATERTOWN	TN
	FQR	WOODBRIDGE	VA
9.925/4.925	NNO	ATLANTA	GA
	PJR	JESUP	GA
	MKG	ASHLAND	KY
	PYQ	SOUTHAVEN	MS
	TTE	VICKSBURG	MS
	BUH	ANDERSON/SAS MT	SC
	VIH	DOVER	TN
	BON	ROANOKE/LONG RDG	VA
9.95 /4.95	I	AUGUSTA	GA
	KIN	PERRY	GA
	EJA	LEXINGTON	KY
	WXL	RALEIGH	NC
	SIR	BENTON/BEAN MT	TN
	GP	CLARKSVILLE	TN
	NNE	MEMPHIS	TN
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	CQV	SO. CHARLESTON	WV
9.975/4.975	YNZ	ATLANTA	GA
	TVE	BRUNSWICK	GA
	TAT	ASHLAND	KY
	AGD	JACKSON	MS
	AZJ	PEARISBURG	VA
3.725/8.725	DN	FAIRFAX	VA
3.85 /8.85	YSV	WALUSKA/PINE LOG	GA
3.975/8.975	SDE	WOODFORD	VA
4.175/9.175	O	WINCHESTER	VA
4.225/9.225	JCE	MANASSAS	VA
4.60 /9.60	SJH	SPRINGFIELD	KY
4.825/9.825	DOC	ATLANTA	GA
4.875/9.875	DCS	ARLINGTON	VA
	DCS	WOODBRIDGE	VA
4.925/9.925	TSC	WINCH/BLUEMONT	VA
6.25 /3.25	HEX	LYNCHBURG	VA

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SERA REPEATER INDEX LISTINGS BY CITY - BY STATE

GEORGIA REPEATERS

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
ATL/MARIETTA	N4NEQ	29.54	29.64	*	L
DALTON	N4BZJ	29.58	29.68	*	AL

6 METERS

ATL/MARIETTA	W8BLA	52.09	53.09	*	L
AUGUSTA	K4EDU	52.03	53.03	N	
CARTERSVILLE	WB4AEG	52.07	53.07	N	PR
CONYERS	WB4JEH	52.55	53.55	*	
DALTON	N4BZJ	52.13	53.13	*	PR
FORSYTH	KB4KIN	52.13	53.13	*	
PINE LOG MT	WB4UPC	52.05	53.05	*	L
PINE LOG MT.	KE4PN	52.29	53.29	N	L
VALDOSTA	KB0Y	52.89	53.89	N	

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	PL
ADEL	KF4JF	144.53	145.13	N	
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	A
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	N	
AMERICUS	WD4EBB	147.87	147.27	N	
ASHBURN	WD4EVD	147.885	147.285	*	P
ATHENS	WA4BKF	146.145	146.745	*	P
ATHENS/CRAWFORD	K4TQU	147.975	147.375	*	
ATL/UNION CITY	WA4UPE	146.025	146.625	*	
ATLANTA	W4AQL	144.55	145.15	N	PE
ATLANTA	K4DRQ	144.69	145.29	N	
ATLANTA	W4DOC	144.75	145.35	N	
ATLANTA	WB4QGR	146.04	146.64	N	T
ATLANTA	W4DOC	146.22	146.82	N	P
ATLANTA	WA4YNZ	146.37	146.97	*	T
ATLANTA	WA4NNO	146.40	147.00	N	P
ATLANTA	K4YSB	147.705	147.105	N	Y
ATLANTA	KN4B	147.795	147.195	N	T
ATLANTA	WD4KDT	147.855	147.255	*	PL
ATLANTA/AIRPORT	W4REI	147.63	147.03	*	
ATLANTA/BELL	W4PME	144.81	145.41	*	AE
ATLANTA/GPCO	WA4VBX	147.885	147.285	*	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	*	AEL
ATLANTA/MARIETTA	N4NEQ	147.945	147.345	*	PELR
ATLANTA/SWEAT MTKD4NC		146.13	146.73	N	LK
AUGUSTA	W4TUN	144.51	145.11	*	A
AUGUSTA	AA4UA	144.77	145.37	*	A
AUGUSTA	N4JA	144.89	145.49	N	
AUGUSTA	W4LWT	146.04	146.64	*	K
AUGUSTA	KT4N	146.34	146.94	*	
AUGUSTA	NA4I	146.385	146.985	*	P
AUGUSTA	NI4S	147.72	147.12	N	P
AUGUSTA	N4BMA	147.78	147.18	N	Y
BALDWIN	WD4NHW	147.78	147.18	N	A
BONAIRE	KM4DT	147.615	147.015	N	
BOSTON	W4UCJ	147.795	147.195	*	ABE
BRNSWK/JEKYLL IS.	KB4PXX	144.81	145.41	N	
BRUNSWICK	K4TVE	146.13	146.73	N	A
CALHOUN/JASPER	KC4AQS	147.405	146.805	*	PLBR
CARROLLTON	W4FWD	146.04	146.64	*	A
CARTERSVILLE	N4GIS	146.415	147.015	*	O
CEDARTOWN	W4CMA	147.72	147.12	*	P
CLAYTON	WA4BLQ	144.65	145.25	*	
CLEVELAND/LONG	WB4HIG	146.31	146.91	N	A
CLEVELAND/LONG	K4FOW	147.615	147.015	N	
COLUMBUS	KA4CEK	144.71	145.31	N	
COLUMBUS	W4CVY	146.01	146.61	N	A
COLUMBUS	WB4TOM	146.28	146.88	N	
CONYERS	WB4JEH	144.63	145.23	*	
CONYERS	WB4JEH	146.01	146.61	*	
CONYERS	KL7TF	147.81	147.21	*	PEB
COOLIDGE	N4JBF	144.57	145.17	N	PR
CORDELE	WA4RWS	144.89	145.49	*	
COVINGTON	WA4ASI	146.325	146.925	*	AL
CUMMING/SAWNEE	K4BYK	147.75	147.15	*	PL
DAHLONEGA	N4KHQ	147.435	146.835	*	A
DALLAS	K4DVJ	146.25	146.85	N	PE
DALTON	KE4UJ	144.63	145.23	N	A
DALTON	N4BZJ	147.735	147.135	*	EL
DECATUR	W4BOC	144.85	145.45	N	
DOUGLASVILLE	N4UOX	144.51	145.11	*	
DOUGLASVILLE	WA4CLC	147.96	147.36	*	E
DUBLIN	WA4HZX	147.96	147.36	N	A
ELLIJAY-BUCK MTN.	N4YYD	144.65	145.25	*	A
ELLIJAY/TALONA M	W4HHH	146.385	146.985	*	AB
EVANS	N4TDL	146.28	146.88	*	
FAYETTEVILLE	W4PSZ	144.61	145.21	N	PE
FAYETTEVILLE	K4UWN	146.085	146.685	*	
FOLKSTON	K4DMK	146.19	146.79	N	
FORSYTH	W4SPJ	147.315	147.915	N	NB
FORSYTH	KB4KIN	147.765	147.165	*	PL
GAINESVILLE	W4NSO	146.07	146.67	*	PE
GRIFFIN	K4HYB	144.79	145.39	*	P
GRIFFIN	K4HYB	146.31	146.91	N	
HARTWELL	WA4RBS	146.295	146.895	*	B
HINESVILLE	KK4UV	144.87	145.47	*	AB
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	*	RPLB
JASPER	W4OOM	146.10	146.70	*	
JEFFERSON	KB4ZUN	147.825	147.225	N	
JESUP	WA4EQL	146.07	146.67	*	
JESUP	N4PJR	146.325	146.925	N	P
JESUP/SCREVEN	N4PJR	147.945	147.345	*	
JONESBORO	WA4DIW	144.57	145.17	*	E
JONESBORO	WA4OGE	144.73	145.33	N	E
LAFAYETTE	KB4VAK	147.975	147.375	N	
LAGRANGE	KO4R	146.25	146.85	N	O
LAGRANGE	WB4BXO	147.93	147.33	N	
LAVONIA	K4NVG	146.115	146.715	*	PBT100.0
LAWRENCEVILLE	WD4JXR	147.675	147.075	*	EP
LYONS	K4HAO	146.22	146.82	N	
MACON	WB4OLL	144.83	145.43	*	PLR
MACON	W4BKM	146.06	146.66	*	NBP
MACON	N3SM	146.295	146.895	*	A
MACON	WA4DDI	147.66	147.06	*	T
MADISON	WB4DKY	146.265	146.865	*	A
MARIETTA	K4LCI	144.83	145.43	N	E
MARIETTA	WA4QPL	144.89	145.49	N	PE
MARIETTA	N4NFP	146.175	146.775	*	
MARIETTA	W4IUD	146.28	146.88	*	
METTER	W4TYM	147.645	147.045	*	ABE
MIDWAY	KF4UM	147.615	147.015	*	
MILLEDGEVILLE	KF4LI	144.55	145.15	*	PT
MILLEDGEVILLE	WB4DOJ	146.10	146.70	*	PEL
MILLEDGEVILLE	KF4LT	146.205	146.805	N	
MILLEDGEVILLE	K4FRM	147.735	147.135	N	
MORGANTON	K5GBS	146.475	147.075	*	
MOULTRIE	WD4KOW	146.18	146.79	N	
NEWNAN	K4SEX	144.53	145.13	*	P
NEWNAN	K4SEX	146.19	146.79	*	P
PERRY	KB4KIN	146.355	146.955	*	PL
PERRY	WL7ACY	147.90	147.30	*	AL
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	N	
PRESTON	WB4TOV	146.385	146.985	N	
QUITMAN	W4FGH	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROCKY TOP MT	K5PRE	146.355	146.955	N	
ROME	WB4YSV	147.90	147.30	N	
ROME/MT. ALTO	W4VO	146.34	146.94	*	P
ROSSVILLE	W4FGQ	144.75	145.35	*	
ROSWELL	N4CLA	147.66	147.06	N	PE
SAVANNAH	KK4TO	146.10	146.70	*	PE
SAVANNAH	W4HBB	146.28	146.88	N	
SAVANNAH	W4HBB	146.37	146.97	N	A
SAVANNAH	KK4TO	147.81	147.21	*	PE
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	146.16	146.76	N	
SUMMERVILLE	KA4LVY	147.825	147.225	N	
SWAINSBORO	K4VYX	146.19	146.79	N	O
SWEAT MT/MARIETTA	N4CLA	144.87	145.47	N	PE
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	*	
THOMPSON	WB4OCB	146.235	146.835	N	C
TOCCOA	KA4DIP	147.93	147.33	*	
TWIN CITY	N4REB	147.915	147.315	N	PR
VALDOSTA	N4ELN	146.16	146.76	N	PT
VALDOSTA	KB0Y	147.735	147.135	N	A
VIDALIA	N4JWP	146.025	146.625	*	A
WALESKA/PNLGMT	KE4PN	144.67	145.27	N	L
WARM SPRINGS	N4UER	146.385	146.985	N	P
WARNER ROBINS	WB4BDP	146.01	146.61	N	A
WARNER ROBINS	WA4QWI	146.25	146.85	*	A
WATKINSVILLE	N4NFA	147.645	147.045	*	RPEL
WAYCROSS	WA4GBG	146.04	146.64	N	
WAYNESBORO	WD4COL	144.63	145.23	N	
WRENS	WB4OCB	146.175	146.775	N	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	AL

220 MHZ

ALPHARETTA	KC4JNN	223.26	224.86	N	AT
ATL/CHESTNUT MT	W4DOC	222.96	224.56	N	L
ATL/MARIETTA	N4NEQ	222.84	224.44	*	PEL
ATLANTA	N4BLR	222.68	224.28	N	
ATLANTA	W4DOC	222.74	224.34	N	
ATLANTA	KK4C	223.22	224.82	*	PLR
ATLANTA/BELL	W4ZTL	223.02	224.62	*	
ATLANTA/MARIETTA	N4NFP	222.52	224.12	*	AEL
AUGUSTA	AA4UA	222.60	224.20	*	A
AUGUSTA	WB4KXO	223.34	224.94	*	P
BRUNSWICK	N3GLC	222.42	224.02	N	
CARTERSVILLE	N4GIS	222.48	224.08	*	
CLAYTON	WD4MBK	223.12	224.72	N	
CLEVELAND	N4RBT	222.78	224.38	N	P
CONYERS	WB4JEH	222.42	224.02	*	
CONYERS	KL7TF	222.80	224.40	*	PR
CORNELIA	WS4F	222.50	224.10	N	
CUMMING	K4JSR	223.38	224.98	*	PL
DALLAS	N4YDX	222.58	224.18	*	E
DALTON	N4BZJ	222.44	224.04	*	
DALTON	N4BZJ	223.08	224.68	*	
DALTON	N4KVC	223.14	224.74	*	ER
ELLIJAY-BUCK MTN.	N4YYD	222.64	224.24	*	
GAINESVILLE	W4NSO	222.30	223.90	*	PR
HIRAM	N4ZJG	223.36	224.96	N	AB
MACON	W4BKM	223.06	224.66	*	
MARIETTA	WA4QPL	223.30	224.90	N	PE
NORCROSS	KB4PRH	222.88	224.48	N	
PERRY	WL7ACY	223.24	224.84	*	AL
PINE LOG MT.	WB4UPC	223.34	224.94	*	L
RINGGOLD	W4ABZ	223.04	224.64	N	P
ROME	WB4YSV	222.82	224.42	N	
ROSSVILLE	KC4EV	223.34	224.94	N	
SASAFRAS MTN	KC4JNN	222.56	224.16	N	A
STONE MT	W4BOC	223.16	224.76	N	
THOMASVILLE	N4JBF	222.72	224.32	N	AL
VALDOSTA	N4ELN	222.38	223.98	N	
WALESKA/PNLGMT	N4KSM	222.92	224.52	N	A
YORKVILLE	WB4UPC	222.34	223.94	*	L
YORKVILLE	WB4UPC	222.46	224.06	*	L
YORKVILLE	WB4UPC	223.28	224.88	*	

440 MHZ

ALBANY	W4MM	439.25	427.25	N	V
ALBANY	W4MM	449.50	444.50	N	
ALPHARETTA	WB6RTH	447.00	442.00	N	AB
ATHENS	NB4X	448.30	443.30	N	
ATL/MARIETTA	N4NFP	447.80	442.80	*	
ATLANTA	W4DOC	444.825	449.825	N	NB
ATLANTA	WA4YNZ	447.975	442.975	*	TPL
ATLANTA	W4DOC	449.45	145.67	N	R
ATLANTA	KE4ZV	448.65	443.65	*	K
ATLANTA	WB4UWL	449.50	444.50	N	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	*	PTLR
ATLANTA/BELL	W4ZTL	448.15	444.15	*	AE
ATLANTA/MARIETTA	N4NFP	448.60	443.80	*	P
ATLANTA/MARIETTA	N4NEQ	449.775	444.775	*	PLE
ATLANTA/STONE MT	W4BOC	448.25	444.25	N	
AUGUSTA	N4JA	447.025	442.025	N	
AUGUSTA	AA4UA	449.40	444.40	*	
AUGUSTA	NA4I	448.95	444.95	*	
BRNSWK/JEKYLL IS.	KB4PXX	439.25	421.25	N	V
BRUNSWICK	K4TVE	449.975	444.975	N	O
CALHOUN/JASPER	KC4AQS	448.375	443.375	*	BP
CHATSWORTH	N4OGF	448.00	443.00	N	
CONYERS	WB4JEH	447.55	442.55	*	
CONYERS	WB4JEH	449.55	444.55	*	
CONYERS	N4EMM	449.75	444.75	*	PL
COVINGTON	KL7TF	448.75	443.75	*	
COVINGTON	WA4ASI	449.80	444.80	*	AL
DACULA	KK4IN	448.55	443.55	*	ALCR
DALLAS	WD4LUQ	449.70	444.70	*	
DALTON	N4BZJ	449.85	444.85	*	
DECATUR	N3APR	447.20	442.20	N	A
DECATUR	WB4LBM	449.20	444.20	N	
ELLIJAY	W4HHH	447.70	442.70	*	C
ELLIJAY TALONA M	W4HHH	449.70	444.70	*	O
ELLIJAY-BUCK MTN.	N4YYD	448.35	443.35	*	
GAINESVILLE	W4NSO	447.625	442.625	*	PERL
GRIFFIN	WB4GWA	448.90	443.90	*	PT
HAMILTON	WB4ULJ	448.40	444.40	N	BPR
HAMPTON	N4RDM	448.40	443.40	N	PRP
HIGH PT/LOOKT MT.	KB4VAK	448.45	443.45	N	
JASPER	KB4MDE	448.425	443.425	N	
JASPER	KB4IZF	449.375	444.375	*	BPLR
JESUP	N4PJR	449.925	444.925	*	
LAVONIA	K4NVG	447.475	442.475	*	PB
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
LAWRENCEVILLE	KC4LU	449.40	444.40	*	BR
MACON	K4VTT	447.275	442.275	*	ABELR
MARIETTA	KM4BA	448.60	443.60	N	PT
MARIETTA	KM4BA	448.70	443.70	N	
MARIETTA	K4PQD	449.05	444.05	N	
MARIETTA	KM4BA	449.325	444.325	N	PTO
NEWNAN	N4EBZ	449.675	444.675	N	P
PERRY	KB4KIN	449.95	444.95	*	PL
RINGGOLD	WA4LJU	448.925	443.925	N	
ROCKMART	KC4KLW	448.275	443.275	*	AB
ROCKY FACE	AA4EO	447.175	442.175	N	
ROSSVILLE	N4PLP	447.125	442.125	N	C
SAVANNAH	WA4VHP	439.25	426.25	N	ABV
SAVANNAH	KC4AZU	447.70	442.70	N	C
SMYRNA	N4IBW	449.65	444.65	N	
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTL
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTR
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT	N4CLA	448.20	443.20	N	
TIFTON	KF4JF	449.35	444.35	N	
TYRONE	K4NEF	449.55	444.55	N	
VALDOSTA	N4ELN	449.70	444.70	N	T
WALESKA/PNLOG	MTKE4PN	448.85	443.85	N	L
WALUSKA/PINE LOG	WB4YSV	443.85	448.85	N	NB
WARM SPRINGS	KN4FE	447.40	442.40	N	
WATKINSVILLE	N4NFA	449.725	444.725	*	RPEL

920 MHZ

DALTON	N4BZJ	907.10	919.10	*	PR

1270 MHZ

ATL/CHESTNUT MT	W4DOC	291.40	271.40	N	
ATLANTA/BELL	KB4KIN	272.00	292.00	*	

KENTUCKY REPEATERS

6 METERS

GUTHRIE	KA4ZKL	52.23	53.23	N	C
LOUISVILLE	WB4LBR	52.025	53.025	N	

2 METERS

ASHLAND	KD4SN	146.34	146.94	*	P
ASHLAND	KA4DII	147.84	147.24	*	P
ASHLAND	WA8KWH	147.93	147.33	*	A
BAXTER	WM4H	147.78	147.18	N	A
BENTON	WG4U	147.72	147.12	N	
BEREA	KI4B	146.115	146.715	N	
BETSY LAYNE	WA4YCU	146.035	146.635	N	
BOWLING GREEN	WD4MNI	146.055	146.655	*	PER
BOWLING GREEN	KA4CLL	146.25	146.85	N	
CAMPBELLSVILLE	WA4UXJ	146.04	146.64	*	
CLARKSON	N4PXK	144.89	145.49	N	
CORBIN	WD4KWV	146.01	146.61	*	P
COVINGTON	WB8NON	144.81	145.41	*	
COVINGTON	WB8NON	147.99	147.39	*	A
DAWSON SPRINGS	N4STY	146.13	146.73	*	
DEANE	AK4U	144.61	145.21	N	L
DIXON	WD4RBI	147.78	147.18	N	
ELIZABETHTOWN	W4BEJ	146.38	146.98	*	AL
ELKHORN CITY	WB4WAU	147.60	147.00	*	
ERLANGER	N4BOP	144.61	145.21	N	
FAIR DEALING	N4AVE	147.84	147.24	N	
FERN CREEK	WB4NSY	146.16	146.76	N	A
FRANKFORT	KB4AGA	144.69	145.29	N	
FRANKFORT	K4NGQ	147.075	147.675	N	
FRANKFORT	KC4AI	147.84	147.24	N	
GLASGOW	KA0BKD	144.81	145.41	N	L
GLASGOW	W4WZH	146.34	146.94	*	A
GRAYSON	KF4JO	146.10	146.70	N	
GRETHEL	KJ4VF	147.645	147.045	N	C
GUTHRIE	KA4NNE	146.205	146.805	N	
HALLS GAP	WD8PRH	144.57	145.17	*	AL
HARLAN	WA4ZAC	147.69	147.09	N	
HAZARD	K4VHF	146.07	146.67	*	B
HENDERSON	W4KVK	144.89	145.49	*	
HENDERSON	K4DPP	146.37	146.97	*	
HIGHLAND HEIGHTS	K4CO	147.855	147.255	*	
HOPKINSVILLE	WA4ZVL	147.63	147.03	N	A
INDEPENDENCE	KAJBV	146.295	146.895	*	A
IRVINGTON	WB4WVH	146.30	146.90	N	AE
LA GRANGE	N4RBL	144.75	145.35	*	
LA GRANGE	N4RBL	147.99	147.39	*	
LAWRENCEBURG	KK4PL	144.69	145.29	N	A
LEWISPORT	KN4KQ	146.085	146.685	N	A
LEXINGTON	N4YUU	144.73	145.33	N	P
LEXINGTON	KC4TX	144.85	145.45	N	P
LEXINGTON	K4KJQ	146.16	146.76	*	PE
LEXINGTON	W4AUZ	146.34	146.94	*	
LEXINGTON	WB4FDK	147.615	147.015	N	
LEXINGTON	WA4HBM	147.765	147.165	*	
LITCHFIELD	KB4NFK	147.825	147.225	*	
LOUISA	WA4SWF	146.13	146.73	*	BER
LOUISVILLE	WB8PRH	144.63	145.23	N	L
LOUISVILLE	W4BDC	146.10	146.70	*	PEL
LOUISVILLE	W4OAU	146.28	146.88	*	P
LOUISVILLE	W4PJZ	147.63	147.03	*	PET
LOUISVILLE	N4NMC	147.67	147.07	*	PE
LOUISVILLE	W4CN	147.78	147.18	*	PE
LOUISVILLE	N4KWT	147.87	147.27	N	
LOUISVILLE	KQ9Z	147.96	147.36	*	A
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MARION	KA4FGA	147.705	147.105	N	
MARION	KA4FGA	147.885	147.285	N	
MAYFIELD	WA4NAR	147.84	147.24	N	
MAYSVILLE	WA4WMM	144.87	145.47	*	P
MAYTOWN	AK4U	146.28	146.88	N	PLR
MIDDLESBORO	W4PPM	146.175	146.775	N	
MOREHEAD	K4GFY	146.31	146.91	*	
MT. STERLING	WD4KNE	147.93	147.33	*	P
MURRAY	WB4NTB	146.34	146.94	*	A
NICHOLASVILLE	WB4CWF	144.89	145.49	*	PE
OWENSBORO	NW4A	147.63	147.03	N	
OWINGSVILLE	N4TLP	147.675	147.075	*	A
OXFORD	WD8PRH	144.63	145.23	*	AL
PADUCAH	K4CUW	146.16	146.76	N	
PADUCAH	W4WQ	147.66	147.06	N	
PAINTSVILLE	K4ICN	144.69	145.29	*	RL
PAINTSVILLE	AK4U	146.19	146.79	N	PL
PHELPS	KJ4YK	147.69	147.09	*	R
PIKEVILLE	N4IWZ	144.55	145.15	*	RPE
PIKEVILLE	KM4IV	146.25	146.85	*	ELR
PIKEVILLE	WB4GEL	147.87	147.27	N	P
PRESTONSBURG	WB4UBY	147.765	147.165	*	
PRESTONSBURG	AK4U	147.90	147.30	N	ERC
PRINCETON	W4KBL	146.07	146.67	N	
PROVIDENCE	N4IUI	147.93	147.33	N	
RABBIT HASH	WA4OCP	146.355	146.955	N	
RADCLIFF	W4BEJ	146.325	146.925	*	AL
RINEYVILLE	KE4NS	146.355	146.955	*	
SALEM	N4IL	147.915	147.315	*	P
SHELBYVILLE	KE4LR	147.60	147.00	*	BP
SOMERSET	N4AI	146.28	146.88	*	
SOMERSET	N4AI	146.34	146.94	*	AL
SPRINGFIELD	WA4SJH	147.90	147.30	N	A
STANTON	KC4TUK	146.37	146.97	N	ARC
UNION CITY (TN)	WA4YGM	146.10	146.70	*	
VERSAILLES	WA4ZXK	146.13	146.73	N	O
WALTON	K4CO	147.975	147.375	*	
WHTSBRG/PINE MT	WD4PDJ	147.99	147.39	N	
WINCHESTER	WB4ASZ	147.72	147.12	*	AE

220 MHZ

ASHLAND	KC4QK	222.34	223.94	*	
AUGUSTA	KC4UXD	222.32	223.92	N	PC
LEXINGTON	WB8VMI	222.14	223.74	*	
LEXINGTON	N4YUU	223.34	224.94	N	
LOUISVILLE	KA4MKT	222.70	224.30	N	
LOUISVILLE	KB4VEZ	222.82	224.42	*	A
LOUISVILLE	W4MOP	223.22	224.82	N	P
PIKEVILLE	WB4F	222.96	224.56	N	
PIKEVILLE	N4ETG	223.02	224.62	N	A
VERSAILLES	WA4ZXK	222.62	224.22	N	PER

440 MHZ

ASHLAND	KA4MKG	449.925	444.925	N	C
ASHLAND	WB4TAT	449.975	444.975	*	
BOWLING GREEN	WD4MNI	449.10	444.10	*	LC
ELIZABETHTOWN	W4BEJ	449.80	444.80	*	AL
GLASGOW/CVCTY	KF4DC	449.25	444.25	N	
GRETHEL	KJ4VF	449.525	444.525	N	
HENDERSON	N9APA	449.50	444.50	N	
HIGHLAND HEIGHTS	WA4OCP	449.35	444.35	*	
HIGHLAND HEIGHTS	W4YWH	449.90	444.40	*	C
JENKINS	KK4WH	449.30	444.30	N	PLRC
LA GRANGE	N4RBL	449.40	444.40	*	
LATONIA	AA4XV	447.40	442.40	N	P
LEWISPORT	KN4KQ	449.55	444.55	N	AR
LEXINGTON	N4YUU	449.85	444.85	N	
LEXINGTON	WD4EJA	449.95	444.95	N	
LOUISVILLE	N4ORL	447.00	442.00	N	RP
LOUISVILLE	N4KWT	447.225	442.225	N	
LOUISVILLE	WA4MLF	447.50	442.50	*	AL
LOUISVILLE	WD8EQC	448.50	443.50	N	
LOUISVILLE	KA4WTT	449.10	444.10	*	PER
LOUISVILLE	WB4ZZD	449.30	444.30	*	
LOUISVILLE	W4MOP	449.50	444.50	N	P
LOUISVILLE	N4NMC	449.60	444.60	*	
LOUISVILLE	WA4AUN	449.70	444.70	N	
LYNCH/BLACK MT	N4IZD	448.10	443.10	N	
MAYTOWN	AK4U	449.20	444.20	N	L
OWENSBORO	WB4AOH	439.25	427.25	N	V
SPRINGFIELD	WA4SJH	444.60	449.60	N	
UNION	KC4COV	449.175	444.175	*	AR

MISSISSIPPI REPEATERS

10 METERS

POPLARVILLE	WA5WRE	29.52	29.62	N	O

6 METERS

HATTIESBURG	N5ILU	52.05	53.05	N	L
LAUREL	N5DWU	52.01	53.01	*	L

2 METERS

ABERDEEN	WB5USN	147.87	147.27	N	A
ACKERMAN	NO5N	147.72	147.12	N	
AMORY	KB5DSN	147.69	147.09	N	
BAY ST. LOUIS	N5GY	146.10	146.70	N	
BAY ST. LOUIS	K0VNO	146.25	146.85	N	
BILOXI	KC5IF	146.13	146.73	*	APER
BILOXI	K5TYP	146.19	146.79	N	
BLUE MT.	N5CAX	146.07	146.67	N	A
BOONEVILLE	WA5TEF	144.59	145.19	N	
BUDE	K5JMD	146.25	146.85	N	
CHATAWAH	WB5GOJ	144.71	145.31	N	PR
CLEVELAND	K5BWW	146.25	146.85	N	
CLINTON	AA5JC	147.945	147.345	N	PR
COLUMBIA	KB5EZN	147.885	147.285	N	P
COLUMBUS	KA5VOF	144.61	145.21	N	O
COLUMBUS	KA5VOF	147.60	147.00	N	A
CORINTH	WB5VOJ	146.325	146.925	N	
CORINTH	K5UFH	146.40	147.00	N	
ELLISVILLE	N5DWU	147.465	146.865	*	PLT
GREENVILLE	WA5MBA	146.22	146.82	N	A
GREENWOOD	KA5TQY	146.115	146.715	N	
GRENADA	WB5LVA	146.10	146.70	N	
GULFPORT	KA5CYR	144.73	145.33	*	A
GULFPORT	KA5VFU	147.975	147.375	*	L
HATTIESBURG	KA5NNX	144.77	145.37	N	
HATTIESBURG	KC5K	147.66	147.06	N	LRB
HATTIESBURG	W5CJR	147.96	147.36	*	
HERNANDO	K5VV	146.31	146.91	N	A
HORNLAKE	N5NBG	144.67	145.27	N	
INVERNESS	WA5UDQ	147.78	147.18	N	
ISOLA	KC5OB	146.355	146.955	*	
IUKA	WB5MFK	146.25	146.85	N	A
JACKSON	W5ITL	146.04	146.64	N	E
JACKSON	W5AXQ	146.16	146.76	N	
JACKSON	KB5II	146.28	146.88	N	AE
JACKSON	KA5SBK	146.34	146.94	N	T
JACKSON	NC5Y	147.675	147.075	N	AT
KOSCIUSKO	W5LWC	146.25	146.85	N	
LAUREL	N5KKG	146.01	146.61	*	A
LAUREL	WV5D	146.43	147.03	*	
LOUISVILLE	N5KCG	147.96	147.36	N	A
MAGEE	KG5MZ	146.22	146.82	*	TLC
MAGEE	KA5LNY	147.90	147.30	*	P
MCCOMB	K5JMD	146.34	146.94	N	A
MCHENRY	KA5CYR	147.93	147.33	*	
MENDENHALL	K5HYE	144.51	145.11	*	PR
MERIDIAN	W5DEJ	146.10	146.70	*	A
MERIDIAN	KA5MJM	146.37	146.97	N	RP
MONTICELLO	N5JHK	147.615	147.015	N	PR
MOOREVILLE	WB5NAY	146.04	146.64	N	A
N.BILOXI/D'IBERV	KC5IF	144.81	145.41	*	APER
NATCHEZ	W5KHB	146.085	146.685	N	
NATCHEZ	K5OCM	146.31	146.91	*	A
NATCHEZ	K5SVC	147.96	147.36	N	
NEW HEBRON	N5MRS	147.69	147.09	N	AEATLRB
OCEAN SPRINGS	W5LDD	147.63	147.03	*	A
OLIVE BRANCH	KA5WMH	144.75	145.35	N	C
PASCAGOULA	N5AAY	146.28	146.88	N	A
PASCAGOULA	KB5KYB	146.37	146.97	*	
PEARL	N5III	147.75	147.15	N	
PETAL	N5LRQ	147.735	147.135	N	
PHILADELPHIA	N5EPP	147.93	147.33	*	
PICAYUNE	K5LFP	144.55	145.15	*	A
PONTOTOC	WB5NAY	147.98	147.38	N	
POPLARVILLE	WA5WRE	144.61	145.21	N	OA
PORT GIBSON	KE5WO	146.025	146.625	N	
PRENTISS	WB5UNA	147.99	147.39	*	
SENATOBIA	KB5DMT	146.385	146.985	N	
SOUTHAVEN	N5PYQ	144.77	145.37	N	O
STARKVILLE	W5VZF	146.13	146.73	*	
TUPELO	AI5R	147.84	147.24	N	A
VICKSBURG	WJ5L	144.69	145.29	N	
VICKSBURG	WB5SXK	147.87	147.27	N	
WATER VALLEY	WB5QFX	146.40	147.00	*	
WAYNESBORO	N5HXG	147.705	147.105	N	PR
WEST POINT	KO5S	146.19	146.79	N	A
WIGGINS	KB5DZJ	144.67	145.27	*	L
WINONA	N4DHS	146.37	146.97	N	

220 MHZ

ACKERMAN	NM5D	223.18	224.78	N	
ACKERMAN	NM5D	223.22	224.82	N	
BAY ST. LOUIS	K5GY	223.10	224.70	N	
BAY ST. LOUIS	K0VNO	223.28	224.88	N	
BILOXI	K5TYP	222.90	224.50	N	
ELLISVILLE	N5DWU	222.80	224.40	*	PL
GLEN	KA5RPB	223.92	224.52	*	
PASCAGOULA	KB5KYB	222.72	224.32	*	PR
PONTOTOC	KE5ST	223.30	224.90	N	

440 MHZ

ACKERMAN	NM5D	448.65	443.65	N	
ACKERMAN	NM5D	449.90	444.90	N	
CLERMONT HARBOR	WD5BJT	449.15	444.15	N	A
ELLISVILLE	N5DWU	449.675	444.675	*	P
GULFPORT	KA5CYR	449.25	444.25	*	A
HATTIESBURG	W4KGJ	448.70	443.70	N	L
JACKSON	KA5WRX	449.00	444.00	N	
JACKSON	KB5CO	449.60	444.60	N	PT
JACKSON	NC5Y	449.70	444.70	N	
JACKSON	KB5CO	449.80	444.80	N	
JACKSON	KA5AGD	449.975	444.975	N	
LAUREL	AJ0X	448.50	443.50	*	ABR
MENDENHALL	K5HYE	448.60	443.60	*	
MERIDIAN	WA5WUX	449.10	444.10	N	PEL
MERIDIAN	KB5LTW	449.40	444.40	*	
N.BILOXI/D'IBERV	KC5IF	449.55	444.55	*	APER
NATCHEZ	N5IAT	448.80	443.80	*	A
NEW ALBANY	WB5YCR	449.15	444.15	N	O
NEW HEBRON	N5MRS	449.525	444.525	N	A
PONTOTOC	KE5ST	449.65	444.65	N	
POPLARVILLE	WA5WRE	449.85	444.85	N	
RICHTON	N5OCF	449.625	444.625	*	RP
SOUTHAVEN	N5PYQ	449.925	444.925	N	O
STARKVILLE	W5VZF	449.75	444.75	*	PR
VICKSBURG	WB5TTE	449.925	444.925	N	PR

NORTH CAROLINA REPEATERS

10 METERS

MAYODAN	WA4ACP	29.56	29.66	N	T
NEWPORT	K4GRW	29.58	29.68	N	PR
WILKESBORO	KC4XE	29.52	29.62	*	L

6 METERS

GRANDFATHER MTN	WA4PXV	52.05	53.05	*	RL
NEWPORT	K4GRW	52.01	53.01	N	PR
RALEIGH	WA4PEN	52.03	53.03	*	O
RALEIGH/BUTNER	WB4RZF	52.25	53.25	N	C
STATESVILLE	WA4WRS	52.67	53.67	*	C
THOMASVILLE	K4AZA	52.525	52.525	*	RB

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	*	A
AHOSKIE	WA4ZGQ	146.31	146.91	*	P
ALBEMARLE	K4OGB	146.385	146.985	*	A
ANDREWS/ROBBINS	VK4AIH	146.445	147.045	*	EL
AQUADALE	WA4CHZ	147.99	147.39	N	
ASHEBORO	KJ4AV	147.855	147.255	*	PL
ASHEVILLE	WA4QCO	146.235	146.835	N	
ASHEVILLE	N4UQS	147.825	147.225	N	A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	*	
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	*	A
BENSON	AK4H	147.87	147.27	*	P
BOONE/RICH MTN	WA4KDB	147.96	147.36	*	A
BREVARD/RICH MT	NWB4CJS	147.735	147.135	*	A

This SERA Official Repeater Index Reflects Changes thru April 15, 1991

MORE NORTH CAROLINA REPEATERS

BURGAW	W4DLH	146.34	146.94	*	
BURLINGTON	WA4YGD	146.07	146.67	*	A
BURLINGTON	WA4HBQ	147.675	147.075	N	E
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	*	PK
CHARLOTTE	W4BFB	144.63	145.23	*	
CHARLOTTE	W4BFB	144.69	145.29	*	A
CHARLOTTE	WA4AOS	144.75	145.35	N	L
CHARLOTTE	W4BFB	146.34	146.94	*	A
CHARLOTTE	W4CQ	146.46	147.06	*	A
CHARLOTTE	WD4PLY	147.99	147.39	N	P
CHERRY MT	WA4BKU	146.07	146.67	*	
CHERRYVILLE	K4JTX	144.55	145.15	N	
CLINTON	WA4LZD	146.19	146.79	N	
COLUMBIA	KB4TOH	144.51	145.11	N	CL
CONCORD/KANNAP	K4CEB	146.055	146.655	*	PB
CROWDERS MT/GASTWD4PLY		144.85	145.45	*	
DUNN	N4CID	146.10	146.70	*	P
DURHAM	WA4WTX	144.85	145.45	*	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	*	A
EDEN	WA4ACP	147.84	147.24	N	T
EDEN/STONEVILLE	WA4QBG	147.99	147.39	*	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
FAYETTEVILLE	N4EWG	146.205	146.805	*	
FAYETTEVILLE	WA4FLR	146.445	147.045	N	Y
FAYVLLE/CFARS	WB4YZF	146.31	146.91	N	P
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	N	
FOREST CITY	K4PBG	147.84	147.24	*	A
FRANKLIN	W4ZCZ	144.89	145.49	N	
FRANKLIN	W4GHZ	147.84	147.24	*	T151.4
GAST/SPCR MT	W4REW	147.72	147.12	*	A
GASTONIA	N0IZF	146.205	146.805	*	P
GIBSONVILLE	WB4IKY	144.89	145.49	*	ART
GIBSONVILLE	KB4WRP	146.475	147.075	*	
GIBSONVILLE	WC3V	147.72	147.12	*	OART
GOLDSBORO	K4CYP	146.25	146.85	*	A
GREENSBORO	N4GGD	144.65	145.25	*	EL
GREENSBORO	K4SNI	146.01	146.61	*	A
GREENSBORO	N4GGD	146.16	146.76	*	AER
GREENSBORO	W4GG	147.63	147.03	*	PL
GREENSBORO	W4BUZ	147.81	147.21	N	B
GREENVILLE	N4GVK	144.75	145.35	*	ABEL
GREENVILLE	K4ROK	147.975	147.375	N	A
GREENVL/ESTN NC	W4GDF	147.69	147.09	*	
GRIFTON	W4NBR	146.085	146.685	*	
HALIFAX	AA4SJ	146.07	146.67	N	OA
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW	MWA4KNI	144.67	145.27	*	A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	*	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	*	
HIGH POINT	N4XO	144.81	145.41	N	A
HIGH POINT	KB4BPV	147.435	146.835	N	PL
HIGH POINT	WA4RIS	147.765	147.165	N	P
HILLSBOROUGH	WA4WTX	147.825	147.225	*	AL
JACKSONVILLE	WA4WGA	144.59	145.19	*	
JACKSONVILLE	WD4FVO	146.40	147.00	*	AE
JEFFERSON	W4YJG	147.90	147.30	*	A
KINSTON	W4OIX	144.87	145.47	*	A
LAURINBURG	KI4RR	146.025	146.625	*	PE
LENOIR	N4NIN	147.795	147.195	*	
LENOIR/HIBRITN	KN4K	147.93	147.33	*	
LEXINGTON	WD4ICX	144.71	145.31	N	AE
LEXINGTON	K4IZM	146.31	146.91	*	AE
LK NORMN/CLT	WB4KPF	147.615	147.015	N	P
LONG BEACH	K4JYH	146.175	146.775	*	
LUMBERTON	WV4Z	147.96	147.36	*	P
MACO	WA4LED	147.66	147.06	*	P
MADISON	KA4YFF	146.295	146.895	*	
MAGGIE VALLEY	W4HCY	147.405	146.805	N	O
MANTEO/WANCHESEW4ACY		146.34	146.94	*	A
MARION	WD4PVE	146.385	146.985	N	A
MAYODAN	N4GGD	144.69	145.29		A
MILLERS CREEK	N4GGN	146.115	146.715	*	A
MONROE	K4JCK	147.705	147.105	*	O
MONROE/UCARS	KF4NJ	144.79	145.39	*	P
MORGANTON	K4VLY	147.75	147.15	*	
MOUNTAIN HOME	K4GHH	147.705	147.105	*	
MT AIRY	N4XRY	146.34	146.94	*	
MT AIRY	N4XRY	146.37	146.97	*	
MT MITCHELL	WA4BVW	144.59	145.19	*	
MT. AIRY	KD4J	144.73	145.33	*	A
MURPHY	KC4WB	147.795	147.195	N	O
N. WILKESBORO	N4AGN	144.77	145.37	*	P
NAGS HEAD/BODIE	K4UOR	146.235	146.835	*	PE
NEW BERN	WD4JMS	146.01	146.61	*	AL
NEWPORT	K4GRW	144.85	145.45	N	ALO
NEWTON	AG4L	147.675	147.075	*	AER
NEWTON/ANDSN MTW4ZQB		144.57	145.17	*	
OXFORD	KA4RVS	144.57	145.17	N	P
OXFORD	WA4MII	144.77	145.37	*	
RALEIGH	N4BEA	144.67	145.27	N	PL
RALEIGH	K4BWC	144.89	145.49	*	BY
RALEIGH	W4DW	146.04	146.64	*	PE
RALEIGH	K4BWC	146.13	146.73	*	PB
RALEIGH	WB4TQD	146.28	146.88	*	L
RALEIGH	WB4TQD	147.75	147.15	*	P
RANDLEMAN/GBO	WD4CVM	144.55	145.15	*	L
RED SPRINGS	W4MZP	147.90	147.30	*	P
REIDSVILLE	K4YFT	146.25	146.85	N	
ROANOKE RAPIDS	WA4DTS	147.63	147.03	N	P
ROARING GAP	WB4PZA	146.22	146.82	*	
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	K4EWL	147.72	147.12	*	PE
SALISBURY	W4EXU	146.13	146.73	*	ELR
SANFORD	WB4EJJ	147.78	147.18	*	A
SAURATOWN MT	W4RXG	144.51	145.11	*	Y
SAURATOWN MT	W4NC	144.87	145.47	*	
SAURATOWN MT	N4QDK	146.19	146.79	N	P
SELMA	KK4YP	147.615	147.015	*	C
SHALLOTTE	K4PPD	144.77	145.37	*	PE
SHALLOTTE	K4PPD	147.915	147.315	*	E
SHALLOTTE	N4FAU	147.99	147.39	N	PE
SHELBY	W4NYR	146.28	146.88	*	
SHELBY	W4NYR	147.945	147.345	*	P
SMITHFIELD	KD4JQ	146.37	146.97	*	A
SMITHFIELD	W2AC	147.99	147.39	*	
SPARTA/GREEN MT.	K4ITL	144.83	145.43	N	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	KB4QP	146.085	146.685	*	PE
STATSVL/ASBRY MT	WA4JRL	147.645	147.045	N	Y
SWANSBORO	KO4S	146.16	146.76	*	A
TABOR CITY	W4DCD	147.975	147.375	N	ALR
THOMASVILLE	K4AZA	146.40	147.00	*	LA
TRENTON	WB4TQD	144.61	145.21	*	L
TRYON/MELROSE	MTWB4SFK	147.78	147.18	N	C
TUCKASEGEE	W8OMV	147.90	147.30	N	
WADESBORO	W4USH	146.235	146.835	*	A
WALKERTOWN	K4JYH	147.915	147.315	*	
WASHINGTON	WA4TEP	147.945	147.345	N	
WAXHAW	WA4ZRS	147.465	146.865	*	P
WAYNESVILLE	N4SM	147.87	147.27	*	A
WHITEVILLE	K4MSD	147.81	147.21	*	AL
WILLIAMSTON	KA4KNU	144.81	145.41	*	A
WILMINGTON	W4VNK	146.13	146.73	*	PBO
WILMINGTON	K4GMP	146.22	146.82	*	LB
WILMINGTON	N4CTJ	147.78	147.18	N	AL
WILSON	WB4THL	146.16	146.76	*	A
WINSTON-SALEM	W4NC	146.04	146.64	*	AL
YAUPON BEACH	W4RPC	146.07	146.67	N	

220 MHZ

ANDREWS/ROBBINSVK	4AIH	223.28	224.88	*	TL
ASHEVILLE	NC4N	223.00	224.60	*	
ASHVL/MT PISGAH	WA4BVW	222.34	223.94	*	
BURNSVILLE	N4TFU	223.14	224.74	N	L
CANTON	N4DWU	223.22	224.82	*	P
CHARLOTTE	W4BFB	222.80	224.40	*	A
CHERRYVILLE	WB4UDS	223.36	224.96	N	
EDEN	WA4WGY	223.18	224.78	N	
FAYETTEVILLE	W4EHF	222.42	224.02	*	L
GOLDSBORO	WB3JVX	223.36	224.96	*	EPTL
GREENSBORO	WB4WOR	222.54	224.14	*	K
GREENSBORO	KC4HTS	223.22	224.82	N	PL
GRIFTON	WA4DAN	223.24	224.84	*	L
HENDSVL/BERWLW	MWA4KNI	222.64	224.24	*	
HIGH POINT	N4NNR	223.00	224.60	*	AL
HILLSBOROUGH	WA4WTX	222.34	223.94	*	L
LENOIR/HIBRITN	KN4K	222.56	224.16	*	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	N	
LOCUST	WA4ZIA	222.88	224.48	*	PL
MARS HILL	WB4PLA	223.06	224.66	N	L
MARSHALL	KA4TYO	222.76	224.36	N	L
MAYODAN MT	WA4ACP	222.62	224.22	N	T
MORGANTON	WB4PML	223.20	224.80	*	
MT MITCHELL	WA4BVW	222.94	224.54	*	
MT. TOXAWAY	K4MSK	223.12	224.72	N	
RALEIGH	WA4PEN	223.04	224.64	*	PL
ROCKY MOUNT	NF4C	222.62	224.22	*	AR
SALISBURY	W4EXU	223.16	224.76	*	L
SAURATOWN MT	WA4YHH	222.98	224.58	*	
SAURATOWN MT	W4RXG	223.10	224.70	*	OY
SAURATOWN MT	W4RXG	223.28	224.88	*	O
SAURATOWN MT	WA4WTB	223.36	224.96	*	
STATESVILLE	WA4PVI	222.70	224.30	N	
THOMASVILLE	K4AZA	222.32	223.92	*	LA
WILMINGTON	K4YNY	222.90	224.50	N	LR
WINSTON-SALEM	WA4YHH	223.04	224.64	*	RP

440 MHZ

AHOSKIE	WB4YNF	449.20	444.20	*	T
ANDREWS/ROBBINSVK	4AIH	448.65	443.65	*	L
ASHEVILLE	N4DWT	449.90	444.90	*	
BAKERSVILLE	KM4GR	447.75	442.75	*	C
CHARLOTTE	W4BFB	449.60	444.60	*	
CHARLOTTE	W4CQ	449.85	444.85	*	A
DURHAM	WA4WTX	449.10	444.10	*	AL
FAYETTEVILLE	WB4YZF	449.40	444.40	N	
FAYETTEVILLE	KB4ZW	448.90	444.90	N	PR
GASTONIA	WB4VTE	449.55	444.55	*	
GIBSONVILLE	WC3V	449.025	444.025	*	A
GIBSONVILLE	WC3V	449.35	444.35	*	C
GOLDSBORO	WB3JVX	448.05	443.05	*	ELT
GRANDFATHER MTN	WA4PXV	448.575	443.575	*	C
GREENSBORO	WD4PQZ	448.50	443.50	*	ALR
GREENSBORO	WB4WOR	449.30	444.30	*	C
GREENVILLE	AI4J	449.80	444.80	N	
HAW RIVER	K2MZ	448.875	443.875	*	T
HENDSVL/BERWLW	MWA4KNI	449.25	444.25	*	
HICKORY	K4JEQ	449.00	444.00	*	
HIGH POINT	N4LXW	448.70	443.70	N	
LEXINGTON	WD4ICX	449.50	444.50	N	
LOCUST	WA4LBT	448.70	443.70	*	PL
MAYODAN	WA4ACP	447.10	442.10	N	
MT AIRY/FSH PK	KF4UY	449.825	444.825	*	LR
MT MITCHELL	N4DWU	448.60	443.60	*	
MT. AIRY	KF4UY	449.825	444.825	N	R
NEW BERN	WD4JMS	449.90	444.90	*	
PITTSBORO	WB4MMY	447.55	442.55	*	CPT
PITTSBORO	WB4MMY	449.325	444.325	*	A
RALEIGH	N4BEA	447.15	442.15	N	L
RALEIGH	N4LMR	447.45	442.45	N	PR
RALEIGH	WA4PEN	449.50	444.50	*	PL
RALEIGH	WA1WXL	449.95	444.95	N	
ROANOKE RAPIDS	KK4VM	449.55	444.55	N	
ROANOKE RAPIDS	KK4VM	449.55	444.55	N	
ROARING GAP	KC4XE	448.55	443.55	*	L
ROCKY MOUNT	N4JEH	449.70	444.70	*	BP
SALISBURY	N4MME	449.65	444.65	*	A
SAURATOWN MT	K4AZA	439.25	421.25	*	V
SAURATOWN MT	N4GGC	448.10	443.10	*	L
SAURATOWN MT	WA4WTB	448.40	443.40	*	C
SELMA	KK4YP	449.00	444.00	N	C
SHELBY	W4NYR	439.25	427.25	*	V
SMITHFIELD	WK2F	449.25	444.25	N	
STATESVILLE	N4VOZ	448.45	443.45	N	A
THOMASVILLE	K4AZA	447.90	442.90	*	L
WILMINGTON	K4YNY	447.500	442.500	N	ALR
WILMINGTON	K4GMP	449.85	444.85	*	B
WILSON	NE4J	449.90	444.90	*	O
YAUPON BEACH	W4RPC	448.40	443.40	N	

SOUTH CAROLINA REPEATERS

10 METERS

RKY RDG/WALLACE	KA4ABW	29.60	RMT.BS	N	R

6 METERS

PICKENS	WB4YXY	52.41	53.41	N	

2 METERS

AIKEN	W4TUN	144.57	145.17	*	A
AIKEN	N4ADM	147.885	147.285	*	P
ANDERSON	N4SZ	146.37	146.97	*	P
ANDERSON/SAS MT	W4FVV	146.19	146.79	*	B
AWENDAW	N4DRU	147.945	147.345	N	C
BAMBERG	WA4DFP	144.73	145.33	N	
BARNWELL	WA4FOF	147.63	147.03	*	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	N	
CHARLESTON	WB4URP	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	P
CHARLESTON	K4ILT	146.19	146.79	N	
CHARLESTON	WB4LET	147.87	147.27	*	PL
CHELSEA	KB4GY	144.71	145.31	*	
CHERAW	KA4ABW	147.735	147.135	N	AE
CHESTER	KB4FJX	146.025	146.625	N	T
COLUMBIA	KC4LB	144.83	145.43	N	P
COLUMBIA	WB4NEP	146.115	146.715	N	P
COLUMBIA	N4NUY	147.93	147.33	N	
COLUMBIA	N4EOY	147.96	147.36	N	L
CONWAY	WD4JMT	144.51	145.11	*	
DILLON/PEE DEE	NN4N	146.145	146.745	*	
DORCHESTER	W4NAT	147.78	147.18	*	
FLORENCE	W4ULH	146.25	146.85	*	A
FLORENCE	WA4ISM	146.37	146.97	N	P
FT MILL/CAROWND	AA4SC	147.78	147.18	*	
GAFFNEY	KN4RG	144.87	145.47	N	AB
GASTON	WB4NEP	144.61	145.21	N	P
GEORGETOWN	WD4DMI	147.975	147.375	N	
GREENVILLE	W4IQQ	146.34	146.94	*	T
GREENVILLE	K4LEO	147.975	147.375	*	T
GREENWOOD	K4VIA	147.765	147.165	*	P
GREENWOOD/HODGESKB4CS		144.53	145.13	N	
GRNVLE/CSRS HD	WA4NYK	146.01	146.61	*	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	*	P
HILTON HEAD	W4ILN	147.84	147.24	*	
INMAN	WD8OXE	144.55	145.15	*	P
LANCASTER	W4PAX	146.10	146.70	*	
LANCASTER	KC4AC	147.84	147.24	*	
LEXINGTON	KA4FEC	147.99	147.39	*	
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	E
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MT. PLEASANT	K4ESG	147.90	147.30	N	PT
MYB BCH/BRKSVIL	W4DCD	147.885	147.285	N	AL
MYRTLE BEACH	WA4DDK	144.87	145.47	N	T

SERA REPEATER SYMBOLS

(Note new codes effective February 1, 1991)

*	Full Member Supporter	M	T-MARC Terr. Repeater
D	Delinquent Membership	NB	Not on SERA Freq. Plan
N	Non-Member SERA	O	Off the Air Temporarily
A	Autopatch (Open)	P	Private Autopatch
B	Emergency Power	PR	Proposed Coordination
C	Under Construction	R	Remote Base System
E	Emergency Autopatch	T	Tone Accessed
K	Packet Operation	V	Television (SSTV/ATV)
L	Linked Repeater	Y	RTTY Operation

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but it does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K". For tone-accessed repeaters, the codes column contains the tone or access code only for those repeaters which the owner or trustee has given us written permission to publish.

MORE SOUTH CAROLINA REPEATERS

MYRTLE BEACH	WD4JMT	147.72	147.12	*	E
N. AUGUSTA	W4DV	144.85	145.45	N	P
N. AUGUSTA	K4FKJ	146.13	146.73	*	
N. MYRTLE BEACH	K4HOG	147.63	147.03	*	P
N. SPARTANBURG	N4UZT	147.915	147.315	*	A
NEWBERRY	KB4CO	146.085	146.685	N	
ORANGEBURG	N3FYC	146.205	146.805	N	C
ORANGEBURG	KM4RP	147.69	147.09	N	
PICKENS	WB4YXZ	146.40	147.00	N	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	N	A
ROCK HILL	AA4PF	144.71	145.31	N	PL
ROCK HILL	K4YTZ	146.43	147.03	*	P
SANTEE	W4DTW	147.825	147.225	N	A
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	P
SIMPSONVILLE	WD4BJY	146.13	146.73	*	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	Y
SPARTANBURG	K4JLA	147.69	147.09	*	
ST. MATTHEWS	AD4U	146.07	146.67	*	ALE
SUMMERTON	N4LWY	144.55	145.15	N	P
SUMTER	KB4FIQ	146.04	146.64	N	
SUMTER	WA4UMU	147.615	147.015	N	P
SUMTER/SHAW	W4VFR	147.66	147.06	*	A
WHITE HALL	W4BWZ	146.31	146.91	N	
WHITE OAK MTN	WD4MGM	147.885	147.285	*	

220 MHZ

AIKEN	W4TUN	223.36	224.96	*	TA
CHARLESTON	KA4NRL	222.58	224.18	N	BP
COLUMBIA	WX4M	223.04	224.64	N	BP
COLUMBIA	N4EOY	223.30	224.90	N	LR
CROSS	KB4VFD	222.98	224.58	N	CA
FLORENCE	N4JJ	223.34	224.94	N	BP
GREER	W4ILY	222.60	224.20	N	A
LITTLE MT	KA4FEC	222.52	224.12	*	
LITTLE MTN	K4RWN	222.92	224.52	N	PB
ORANGEBURG	WB4TGK	223.26	224.86	N	BP
PARIS MT/GRNVL	W4NYK	223.32	224.92	*	
PICKENS	WB4QHF	222.80	224.40	*	BP
PICKENS/CSRS HD	WB4QHF	222.54	224.14	*	LR
PICKENS/SASFR MT	AJ4N	222.72	224.32	*	
RIDGEVILLE	N4CII	222.50	224.10	*	
SUMTER	K4GYR	223.26	224.86	*	
WEST SPRINGS	KT4G	222.84	224.44	N	BP

440 MHZ

AIKEN	W4TUN	448.40	443.40	*	TA
ANDERSON/SAS MT	WD4BUH	449.925	444.925	*	
CAESARS HEAD	WB4LZQ	448.875	443.875	N	
CHARLESTON	N4MNH	449.30	444.30	*	A
COLUMBIA	KC4GYM	447.075	442.075	*	TB
COLUMBIA	N4EOY	448.00	443.00	N	LR
COLUMBIA	KC4GYM	448.50	443.50	*	T
COLUMBIA	N4WL	449.20	444.20	N	T
COLUMBIA	K4NHN	449.20	444.20	N	
CROSS	KB4VFD	447.30	442.30	N	CA
GREENVILLE	KJ4IS	447.25	442.25	*	O
GRNVLE/PARIS MT	ND4N	448.10	443.10	*	P
LEXINGTON	N4GUP	439.25	421.25	N	V
MT PLEASANT	N4DRU	449.70	444.70	N	
MYB BCH/BRKSVIL	W4DCD	449.525	444.525	N	ALR
PICKENS/CSRS HD	WB4QHF	447.40	442.40	*	
SUMMERVILLE	WA4HNK	448.80	443.80	*	P
SUMTER	WA4UMU	439.25	423.25	N	V

TENNESSEE REPEATERS

10 METERS

JACKSON	NQ4W	29.54	29.64	N	C
MEM/FISHERVILLE	N4DRL	29.58	29.68	*	AL
MEMPHIS	W4ZJM	29.52	29.62	N	L
NASHVILLE	WA4BZU	29.54	29.64	N	TLO
UNION CITY	WA4YGM	29.56	29.66	*	O

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
GALLATIN	WD4KWP	52.45	53.45	N	L
GREENEVILLE	WB4NKM	52.01	53.01	*	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	N	
KNOXVILLE	WA4YON	52.25	53.25	N	
KNOXVILLE	WB4GBI	52.35	53.35	*	O
KNXVL/ENG MT	WB4IOB	52.15	53.15	*	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	*	AL
MEMPHIS	WA4KOG	52.01	53.01	*	
MEMPHIS	K4RDK	52.55	53.55	N	
NASHVILLE	N4ARK	52.525	145.21	*	BR

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ATHENS	WA4PNI	144.71	145.31	*	
BENTON	K4SIR	144.85	145.45	N	T
BLOUNTVILLE	WA4KMG	147.60	147.00	*	
BRISTOL	WB4DKI	146.07	146.67	*	A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	N	A
BROWNSVILLE	KB4YTU	144.83	145.43	N	PL
BROWNSVILLE	WA4ABU	146.055	146.655	N	
CARTHAGE	N4OTT	144.59	145.19	*	P
CHATT/SIGNAL MT	AD4F	146.055	146.655	*	O
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00	N	P
CHATTANOOGA	K4CMY	144.53	145.13	N	
CHATTANOOGA	K4VCM	144.89	145.29	*	
CHATTANOOGA	W4AM	144.79	145.39	*	A
CHATTANOOGA	K4CMY	146.01	146.61	*	
CHATTANOOGA	W4AM	146.19	146.79	*	A
CLARKSVILLE	WD4SGA	147.60	147.00	N	
CLARKSVILLE	AA4TA	147.99	147.39	*	A
CLEVELAND	W4GZX	146.31	146.91	*	A
COALFIELD	AA4UP	146.145	146.745	*	
COLLIERVILLE	KB4YGI	147.63	147.03	N	
COLUMBIA	WA4ZYX	147.72	147.12	*	A
COOKEVILLE	NQ4Y	144.51	145.11	N	
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	K4HKZ	147.645	147.045	N	C
COOKEVILLE	N4WS	147.81	147.21	*	PRE
COVINGTON	WA4KOG	144.85	145.45	*	PR
COVINGTON	WA4VXW	147.93	147.33	N	PLK
CRAB ORCHARD	KA4QYI	146.04	146.64	*	C
CUMBERLAND CITY	WD4DBJ	144.73	145.33	*	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15	*	
DOVER	N4VIH	144.81	145.41	N	
DYERSBURG	WB4RCK	146.145	146.745	N	
EASTVIEW	WA4GZX	144.79	145.39	N	
ERWIN	WB4BRV	144.65	145.25	N	AL
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	BP
FISHERVILLE	N4DRL	144.65	145.25	*	
FRANKLIN	KK4IY	146.385	146.985	*	
FRUITLAND	NU5O	144.67	145.27	*	
GALLATIN	WD4BKY	147.84	147.24	*	L
GALLATIN	WA4YQC	147.87	147.27	*	PL
GERMANTOWN	KA4ATI	147.69	147.09	N	
GRAY	WD4SBX	144.51	145.11	*	A
GRAY/HOLSTON MT	WD4SBX	147.81	147.21	*	
GREENBRIER	WQ4E	146.22	146.82	N	PR
GREENBRIER	WQ4E	147.675	147.075	N	B
GREENEVILLE	K4EPC	144.79	145.39	*	
GREENEVILLE	WB4TUO	144.81	145.41	N	
GRNVLE/VIKING MT	KB4UG	147.66	147.06	*	R
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LE
GUTHRIE (TN/KY)	KA4NNE	146.205	146.805	N	
HENDERSON	K4TC	147.705	147.105	N	PE
HENDERSONVILLE	WB4WZK	144.67	145.27	*	PT
HENDERSONVILLE	N4WF	147.945	147.345	N	
HOHENWALD	KE4KO	144.85	145.45	*	
HUMBOLDT	NQ4Y	144.75	145.35	N	AL
JACKSON	WB7BOX	144.51	145.11	N	AL
JACKSON	KF4SC	144.71	145.31	N	A
JACKSON	W4WKZ	147.81	147.21	N	A
JAMESTOWN	K4NLP	147.69	147.09	*	
JASPER	KD4XX	144.59	145.19	*	A
JOHNSON CITY	WB4SQC	144.69	145.29	*	P
JOHNSON CITY	W4ABR	146.19	146.79	N	A
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	*	P
KNOXVILLE	N4IJL	144.51	145.11	N	O
KNOXVILLE	W4BBB	144.61	145.21	*	A
KNOXVILLE	WA4TEM	144.73	145.33	*	AR
KNOXVILLE	N4GRC	144.77	145.37	*	
KNOXVILLE	N4IUA	144.83	145.43	N	
KNOXVILLE	WB4GBI	144.87	145.47	*	
KNOXVILLE	WB4GBI	146.025	146.625	*	
KNOXVILLE	KB4KIE	146.10	146.70	N	
KNOXVILLE	WB4GBI	146.34	146.94	*	
KNOXVILLE	KA4AZQ	146.40	147.00	*	
KNOXVILLE	WB4GBI	147.675	147.075	*	A
KNOXVILLE	W4BBB	147.90	147.30	*	
KNXVL/ENG MT	WB4IOB	146.13	146.73	*	
LAFAYETTE	KC4ECD	144.71	145.31	*	ET
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE	KA4OAK	147.96	147.36	N	
LAFOLLETTE/WMT	K4BGW	146.07	146.67	N	
LAKE CITY	WB4OAH	146.22	146.82	*	A
LAVERNE	KJ4RA	144.63	145.23	N	
LEBANON	WB4DOR	144.79	145.39	N	
LEBANON	WD4JVV	147.615	147.015	N	
LENOIR CITY	KB4PIO	146.085	146.685	N	P
LEXINGTON	WD4MVR	146.43	147.03	N	
LOUDON	KE4SK	144.57	145.17	*	PL
MANCHESTER	W4UOT	146.10	146.70	*	A
MARTIN	WA4ZQX	146.025	146.625	*	A
MCMINNVILLE	WD4MWQ	146.37	146.97	*	P
MCMINVL/SHT MT	W4KKO	144.89	145.49	*	
MCNAIRY	NU5O	147.675	147.075	*	
MEDINA	K4BEZ	146.37	146.97	N	A
MEM/FISHERVILLE	N4DRL	144.73	145.33	*	AL
MEMPHIS	K0JXI	144.55	145.15	N	
MEMPHIS	KA0BRN	144.57	145.17	N	ALT
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	WA4KOG	144.89	145.49	*	
MEMPHIS	WB4NNE	146.04	146.64	N	O
MEMPHIS	W4UFT	146.10	146.70	N	
MEMPHIS	WB4DAZ	146.13	146.73	N	P
MEMPHIS	WA4HBY	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	*	P
MEMPHIS	WA4KOG	146.25	146.85	*	A
MEMPHIS	WA4ETE	146.28	146.88	*	AL
MEMPHIS	K4BN	146.34	146.94	N	A
MEMPHIS	W4ZJM	146.40	147.00	N	
MEMPHIS	WA4MQQ	147.66	147.06	N	
MEMPHIS	KA4GMV	147.72	147.12	N	AT
MEMPHIS	WA4KOG	147.78	147.18	*	
MEMPHIS	WA4OWI	147.87	147.27	N	
MEMPHIS	WA4ADT	147.90	147.30	N	PL
MEMPHIS	WB4MMI	147.96	147.36	N	TA
MORRISTOWN	KD4LP	144.85	145.45	*	B
MORRISTOWN	WD4PRQ	147.63	147.03	N	E
MORRISTOWN	WB4OAH	147.825	147.225	*	A
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MURFREESBORO	WB4LHO	144.57	145.17	N	
NASHVILLE	N4ARK	144.61	145.21	*	BLR
NASHVILLE	K4UVH	144.69	145.29	N	
NASHVILLE	KI4OG	144.77	145.37	N	AR
NASHVILLE	N4ARK	144.87	145.47	*	BP
NASHVILLE	WA4PCD	146.01	146.61	N	PO
NASHVILLE	W4PQP	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79	*	
NASHVILLE	WA4PCD	146.25	146.85	N	P
NASHVILLE	WA4TOA	146.28	146.88	*	P
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	K4AYN	147.645	147.045	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WA4BZU	147.855	147.255	N	TP
NASHVILLE	WB4ZSA	147.90	147.30	N	P
NASHVILLE	WB4NTM	147.96	147.36	*	ATL
NASHVILLE W	WB4NTM	148.04	148.64	*	AT
NASHVILLE W	WB4NTM	148.07	148.67	*	ATL
NASHVLE/FAIRVIEW	N4ARK	144.51	145.11	*	B
OAK RIDGE	W4SKH	146.28	146.88	*	
OAK RIDGE	W4SKH	146.37	146.97	*	A
OAK RIDGE	K4EAJ	147.72	147.12	*	
OAK RIDGE	K4EAJ	147.75	147.15	*	LT
OAKFIELD	WA4BJY	147.99	147.39	*	PRT
PARIS	K4KLX	147.96	147.36	N	A
PETROS/FRZ HD MT	KJ4SI	147.855	147.255	*	AER
PIKEVILLE	K4PUX	147.885	147.285	*	
PINSON	WB0TMC	147.87	147.27	N	C
POCAHONTAS	WB4MMI	147.96	147.36	N	
POLK CTY/OSWALD	WD4DES	147.78	147.18	N	A
PULASKI/MUSIC MT	W4JVO	146.175	146.775	N	E
PURYEAR	WA4CEX	147.765	147.165	*	
RAMER	WB4MMI	147.945	147.345	N	
ROCKWOOD	AA4KS	147.615	147.015	*	AE
ROCKWOOD	KB4WYI	147.93	147.33	*	
SALTILLO	KB4JUB	146.115	146.715	N	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	O
SHELBYVILLE	KC4KRM	144.65	145.25	*	
SHELBYVILLE	W4QEB	147.66	147.06	N	A
SHORT MTN	W4YXA	146.31	146.91	N	
SPRING HILL	NW4E	144.85	145.45	N	A
SULPHUR SPRINGS	WD4OBW	147.99	147.39	*	AL
TRENTON	KN4KP	146.265	145.865	N	AENB
UNION CITY	WA4YGM	146.10	146.70	*	A
UNION CITY	WA4YGM	147.615	147.015	*	OAR
WATERTOWN	KE4WA	146.13	146.73	N	T
WATERTOWN	N4IDG	146.235	146.835	*	P
WINCHESTER	W4SFF	146.22	146.82	*	A

220 MHZ

BLOUNTVILLE	WA4KMG	222.60	224.20	*	
BROWNSVILLE	KB4YTU	222.60	224.20	N	PL
CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	K4VCM	223.18	224.78	*	
CLARKSVILLE	KF4GP	222.34	223.94	N	
CLEVELAND	KK4US	222.72	224.32	*	AB
COLLIERVILLE	KB4YGI	222.80	224.40	N	PL
COLUMBIA	KE4KO	223.12	224.72	*	
FISHERVILLE	N4DRL	223.28	224.88	*	AL
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	N	
GREENBRIER	WQ4E	223.16	224.76	N	PR
GREENEVILLE	WB4NKM	220.058	BEACON	*	BEACON
GREENEVILLE	WB4NKM	223.34	224.94	*	A
HERMITAGE	WB4RAB	222.30	223.90	N	
JC/BUFFALO MT	WA4UCI	223.18	224.78	*	
JONESBOROUGH	WD4OBW	222.92	224.52	*	ALB
KNOXVILLE	WA4YON	222.86	224.46	N	
KNOXVILLE	W4BBB	222.90	224.50	*	
KNXVL/CROSS MT	KB4FZK	222.62	224.22	*	
LAFOLLETTE	KA4OAK	222.68	224.28	N	
MEM/FISHERVILLE	N4DRL	222.90	224.50	*	AL
MEMPHIS	W4ZJM	222.34	223.94	N	L
MEMPHIS	W4BS	222.82	224.42	*	L
MEMPHIS	WA4KOG	223.18	224.78	*	
NASHVILLE	WB4NTM	222.48	224.08	*	
NASHVILLE	KM4MC	222.56	224.16	N	ABRLT
NASHVILLE	KI4OG	222.84	224.44	N	AER
NASHVILLE	KM4MC	223.06	224.66	N	AL
NASHVILLE	N4PYI	223.14	224.74	*	ALR
SHORT MTN	KE4NP	222.66	224.26	*	
SPRINGFIELD	KB8EHB	222.62	224.22	*	ABER

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
BARTLETT	WA4DOR	448.70	443.70	N	T
BARTLETT	WA4PAJ	449.25	444.25	N	
BENTON/BEAN MT	K4SIR	449.95	444.95	N	T
BRISTOL/HLST MT	K4LSP	449.50	444.50	N	A
BROWNSVILLE	KB4YTU	449.20	444.20	N	PL
BROWNSVILLE	KB4YTU	449.45	444.45	N	CPL
CHATTANOOGA	WJ9J	447.15	442.15	N	AELR
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	W4AM	449.10	444.10	*	A
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CLARKSVILLE	KF4GP	449.95	444.95	N	
COOKEVILLE	NQ4Y	449.55	444.55	N	
CUMBERLAND CITY	WD4DBJ	448.40	443.40	*	PT
DOVER	N4VIH	449.925	444.925	N	
ETHRIDGE	AB4UP	447.675	442.675	*	C
FAYETTEVILLE	KC4GPM	448.10	443.10	N	O
FISHERVILLE	N4DRL	449.30	444.30	*	AL

MORE TENNESSEE REPEATERS

FRANKLIN	N4ULM	448.85	443.85	N	
GALLATIN	N4SSB	448.30	443.30	*	C
GALLATIN	WD4BKY	449.35	444.35	*	PLT
GALLATIN	WD4KWP	449.45	444.45	N	
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GRAY/HOLSTON MT	WD4SBX	447.20	442.20	*	A
GREENBRIER	WQ4E	449.25	444.25	N	
GREENEVILLE	WB4NKM	449.65	444.65	*	R
GRNVLE/VIKING MT	KB4UG	448.20	443.20	*	C
HENDERSON	K4TC	449.75	444.75	N	P
HIXSON	WJ9J	449.45	444.45	N	AELRB
JACKSON	WB4EPG	447.80	442.80	N	A
JACKSON	WB7BOX	449.875	444.875	N	PERLT
JAMESTOWN	N4PTK	448.625	443.625	*	
JASPER	KD4XV	447.05	442.05	*	
JOHNSON CITY	WB4SQC	448.425	443.425	*	
KNOXVILL/ENG MTN	WB4HAP	449.60	444.60	N	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	WB4GBI	449.30	444.30	*	
KNOXVILLE	KB4KSL	449.50	444.50	*	A
MEDINA	K4BEZ	447.05	442.05	N	AL
MEMPHIS	N4ERU	421.25	439.25	N	V
MEMPHIS	N4ERU	439.25	421.25	N	ATV
MEMPHIS	WB4EPG	447.625	442.625	N	
MEMPHIS	WF4G	447.825	442.825	N	
MEMPHIS	W4ZJM	448.00	443.00	N	
MEMPHIS	KA4JXT	448.10	443.10	*	TCPR
MEMPHIS	W4BS	448.20	443.20	*	
MEMPHIS	WA4QWW	448.40	443.40	N	A
MEMPHIS	WA4KOG	448.80	443.00	*	NB
MEMPHIS	KA5RYF	448.95	443.95	N	
MEMPHIS	KA0BRN	448.975	443.975	N	ALT
MEMPHIS	WA4ADT	449.00	444.00	N	T
MEMPHIS	K4RDK	449.025	444.025	N	
MEMPHIS	KA4JXT	449.10	444.10	*	RP
MEMPHIS	WA4KOG	449.40	444.40	*	
MEMPHIS	K0JXI	449.60	444.60	N	
MEMPHIS	K0JXI	449.80	444.80	N	
MEMPHIS	K5FC	449.825	444.825	N	
MEMPHIS	WB4MMI	449.90	444.90	N	TAL
MEMPHIS	WB4NNE	449.95	444.95	N	O
MILAN	WD4ABJ	447.10	442.10	*	
MORRISTOWN	KA4NEX	449.20	444.20	N	
MORRISTOWN	KD4LP	449.80	444.80	*	AB
MT JULIET	WB4PUB	448.05	443.05	N	P
NASHVILLE	KJ4ZQ	439.25	421.25	N	V
NASHVILLE	KI4OG	449.05	444.05	N	ALTR
NASHVILLE	WB4NTM	449.15	444.15	*	ATL
NASHVILLE	KI4OG	449.575	444.575	N	BO
NASHVILLE	W4AY	449.675	444.675	N	
OAK RIDGE	K4EAJ	449.40	444.40	*	L
OAKFIELD	WA4BJY	447.20	442.20	*	PTL
OSWALD DOME	WD4DES	447.25	442.25	N	
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
PULASKI	KB4TPI	439.250	421.250	N	V
PULASKI	KB4TPI	447.150	442.150	N	
ROCKWOOD	KA4WJS	448.975	443.975	N	
SHELBYVILLE	KC4KRM	448.45	443.45	*	
SHORT MTN	N4OYS	449.65	444.65	N	
WATERTOWN	N4IDG	449.90	444.90	*	P

920 MHZ

MORRISTOWN	KD4LP	908.00	920.00	N	BP
MORRISTOWN	KD4LP	908.80	920.80	*	BP

1270 MHZ

MEMPHIS	N4MW	272.00	292.00	*	
NASHVILLE	N4MEY	277.25	439.25	N	VL

VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

NEWPORT NEWS	WB4CTF	29.60	29.60	*	R
ONEIDA PK/BLFLD	WZ8E	29.58	29.68	N	RL
ROANOKE/POOR MTWB8BON		29.54	29.64	*	CL
STERLING	KD4DN	29.58	29.68	M	M

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13	M	ML
BEDFORD/THAX MT	WB4DBB	52.15	53.15	*	
CENTERVILLE	KA4DCS	52.58	52.48	M	M
DANVILLE(DCC)	WB4GJG	52.13	53.13	*	
HERNDON	WD4KHP	52.62	52.82	M	TM
LEXNGTN/ROCK MT	KI4ZR	52.01	53.01	*	L
LOUISA	KA4NNN	52.07	53.07	N	
RICHMOND	WB4FAX	52.43	53.43	*	
ROANOKE	WB4DBB	52.25	53.25	*	L
ROANOKE/POOR MTWB8BON		52.09	53.09	*	CL
VIRGINIA BEACH	WD8DAS	52.19	53.19	N	

2 METERS

ABINGDN/BRMLY MTK4LSP		146.01	146.61	N	L
ABINGDON	N4AKZ	146.34	146.94	*	AB
ACCOMAC	WA4TVS	147.855	147.255	*	E
ALEXANDRIA	WB4MJF	144.55	145.15	M	M
ALEXANDRIA	N4FSC	144.71	145.31	M	MP
ALEXANDRIA	WD4PDP	146.055	146.655	M	MP
ALEXANDRIA	W4HFH	147.915	147.315	M	ML
ALTAVISTA	WA4ISI	146.055	146.655	*	PLE
ALTON	WD4LBM	146.46	147.06	N	
ARLINGTON	N4EFJ	144.87	145.47	M	M
BARREN SPRINGS	K4HZS	146.07	146.67	N	
BEAVERDAM	N4CZJ	144.65	145.25	N	
BEDFD/APL ORCH	WB4DBB	144.63	145.23	*	
BEDFORD	WB4JBJ	147.705	147.105	N	PL
BLACKSBURG	AB9I	146.115	146.715	*	
BLAND	N4AZJ	144.75	145.35	*	RP
BLUEFIELD	W8MOP	144.89	145.49	N	P
BRISTOL	WD4CYZ	146.28	146.88	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	*	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	*	
CHASE CITY	W4AXH	146.31	146.91	*	
CHESAPEAKE	K4NDH	144.69	145.29	N	E
CHESAPEAKE	N4GSP	146.01	146.61	*	AE
CHESAPEAKE	N4SD	146.19	146.79	*	AE
CHESTERFIELD	KA4CBB	147.96	147.36	*	PE
COVINGTON	WA4HTI	146.205	146.805	*	L
CULPEPER	N4FAF	147.72	147.12	M	M
DANTE	WD4CYZ	147.855	147.255	N	
DANVILLE(DCC)	WB4GJG	146.325	146.925	*	AE
DANVILLE/WHT OAK	K4WQS	146.10	146.70	N	P
ENON	WA4ECM	147.66	147.06	*	BP
FAIRFAX	WA4YVM	144.57	145.17	M	M
FAIRFAX	W4LBL	146.19	146.79	M	MP
FALLS CHURCH	W4AQD	144.75	145.35	M	MT
FARMVILLE	WA4QQI	144.73	145.33	*	
FINCASTLE	W4WIC	146.04	146.64	*	A
FRANKLIN	K4SPS	147.90	147.30	*	PE
FREDRICKSBURG	WB4LNT	147.615	147.015	M	M
GALAX/BRIRP MT	N4VL	147.69	147.09	*	A
GALAX/LKOUT MT	N4VL	144.53	145.13	*	R
GATE CITY	N4WWB	146.22	146.82	N	
GLADYS	N4SJM	147.945	147.345	*	RP
GLOUCESTER	KC4TOG	144.77	145.37	*	PE
GRUNDY	K4HWQ	147.915	147.315	N	A
GRUNDY/BIG A MT	WD4DCX	146.235	146.835	N	L
GUM SPRING	WB4IKL	147.87	147.27	*	
HAMPTON	K4DHO	146.13	146.73	*	PE
HAMPTON	K4UMI	146.34	146.94	N	T
HARRISONBURG	WX4C	147.825	147.225	M	AM
HARRISONBURG	K4SAD	147.915	147.315	N	A
JEWELL RIDGE	WB4QJZ	147.75	147.15	N	
KILMARNOCK	W2MS	144.61	145.21	*	A
LEESVILLE	N4UTN	146.235	146.835	N	P
LEXINGTON	KI4ZR	146.07	146.67	*	OR
LEXINGTON	KI4ZR	147.90	147.30	*	A
LEXNGTN/ROCK MT	KI4ZR	147.93	147.33	*	
LUNENBURG CT.HSE	AA4OG	147.84	147.24	*	
LYNCHBURG	W4WWQ	146.01	146.61	N	
LYNCHBURG	AB4M	146.415	147.015	*	P
LYNCHBURG	WA4RTS	147.795	147.195	*	
LYNCHBURG	KB4ILD	147.975	147.375	N	P
MADISON	N4AJO	147.99	147.39	M	M
MANASSAS	WA4FPM	146.37	146.97	M	MP
MARION	KC4SKE	144.67	145.27	N	
MARION	KC4IH	146.04	146.64	N	A
MARTINSVILLE	KM4ZS	147.885	147.285	*	P
MCLEAN	WD4IWG	147.81	147.21	M	MY
MIDDLEBROOK	W4WRN	146.37	146.97	N	E
MOUNTAIN LAKE	WZ8E	147.465	146.865	N	PL
MT.LAKE/BALD KNB	K4TUE	146.31	146.91	N	P
NEW MARKET	K4AVW	146.025	146.625	M	M
NEWPORT NEWS	W4MT	144.63	145.23	N	AEC
NEWPORT NEWS	WA4OHX	144.89	145.49	*	AT
NEWPORT NEWS	WB4CTF	147.765	147.165	*	PLR
NORFOLK	WA4ZUA	144.57	145.17	*	PER
NORFOLK	NE4D	146.10	146.70	N	E
NORTON/HIGH KNOB	K4AXO	146.415	147.015	*	LP
ONEIDA PEAK/BLF	WZ8E	146.355	146.955	N	PL
PEARISBURG	N4AZJ	147.735	147.135	*	
PENNINGTON GAP	N4LQC	146.10	146.70	N	
PETERSBURG	K4ARO	144.55	145.15	*	
PETERSBURG	K4ARO	147.99	147.39	*	
PKS KB/PULASKI	KT4Z	147.78	147.18	*	P
PORTSMOUTH	W4POX	146.25	146.85	*	AE
RICHMOND	K4YPE	144.51	145.11	*	A
RICHMOND	WB4FAX	144.59	145.19	*	
RICHMOND	W4SQT	144.83	145.43	N	P
RICHMOND	WB4QEY	146.04	146.64	N	P
RICHMOND	WA4ZBE	146.28	146.88		P
RICHMOND	W4ZA	146.34	146.94	*	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	*	T
ROANOKE	N4AP	146.34	146.94	N	A
ROANOKE/POOR MTKC4DY		146.145	146.745	*	P
ROANOKE/POOR MTW4CA		146.385	146.985	*	PL
ROANOKE/POOR MT.W4QOJ		144.61	145.21	N	YVKL
ROANOKE/POOR MTNK4ARO		144.79	145.39	*	LC
SALEM	W4PDL	146.28	146.88	*	
STAFFORD	NM7J	144.67	145.27	M	M
STAUNTON	W4XD	146.10	146.70	*	
STAUNTON	WA4ZBP	146.25	146.85	*	RY
STAUNTON/EL. KB	N4RAG	147.645	147.045	*	
STERLING	WA4TXE	146.115	146.715	M	M
STUARTS DRAFT	KB4OLM	147.96	147.36	N	
SUFFOLK/GASBURG	WA4HMT	146.40	147.00	*	PE
TYSONS CORNER	WD4HLF	146.31	146.91	M	MP
VIENNA	K4HTA	146.085	146.685	M	M
VIRGINIA BEACH	WA4KXV	146.295	146.895	*	
VIRGINIA BEACH	WA4KXV	146.37	146.97	*	E
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	N	
WARRENTON	WB4FJT	147.765	147.165	M	M
WARSAW	KA4ZIP	147.93	147.33	*	E
WAYNESBORO	W4BLD	147.63	147.03	*	O
WAYNESBORO	W4PNT	147.675	147.075	*	PEL
WILLIAMSBURG	W4NTG	146.07	146.67	*	B
WILLIAMSBURG	KB4ZIN	146.16	146.76	*	A
WINCH/BLUEMONT	WA4TSC	147.90	147.30	M	M
WINCHESTER	W4RKC	146.22	146.82	*	ME
WOODBRIDGE	WB4FQR	147.84	147.24	M	MA
WYTHEVILLE	WD4MUQ	148.175	146.775	*	

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	ML
ARK	N4BLQ	223.02	224.62	*	PE
ARLINGTON	KI4MB	222.46	224.06	M	M
BEDFD/APL ORCH	WB4DBB	223.94	222.34	*	RL
BEDFORD	N4PLV	223.24	224.84	*	
DANVILLE	WB4GJG	222.78	224.38	*	
DANVLE/WHITE OAK	N4GLA	222.84	224.44	*	AE
DELTAVILLE	AA4HQ	222.40	224.00	*	AE
FAIRFAX	WB4YHD	222.50	224.10	M	ML
FAIRFAX	WD4KHP	222.82	224.42	M	MPLT
FALLS CHURCH	N4CHP	223.38	224.98	M	MP
GASBURG/LK GASTN	WA4HMT	223.00	224.60	*	C
HAMPDEN-SYDNEY	WB4PEA	222.60	224.20	*	O
HAMPTON	KB4UHA	223.26	224.86	N	AER
LEESBURG	WA4TXE	222.42	224.02	M	M
LOVETTSVILLE	WB4FUJ	222.86	224.46	M	M
LYNCHBURG	AB4M	222.88	224.28	*	P
MANASSAS	WA4FPM	223.06	224.66	M	M
MARTINSVILLE	WB4BVI	222.90	224.50	*	P
NORTON/HIGH KB	WA4NDQ	222.82	224.42	*	R
PETERSBURG	K4ARO	223.10	224.70	*	
ROANOKE	WB4DBB	222.50	224.10	*	L
ROANOKE/POOR MTN	WB4DBB	223.34	224.94	*	
STERLING PARK	WD4KHP	222.12	223.72	M	M
STUARTS DRAFT	KB4OLM	223.36	224.96	N	AL
TYSONS CORNER	WD4KHP	223.12	224.72	M	M
VIENNA	K4HTA	222.34	223.94	M	M
VIRGINIA BEACH	WD8DAS	222.58	224.18	N	
VIRGINIA BEACH	WA4WQJ	223.14	224.74	N	
WOODBRIDGE	WB4GJZ	223.18	224.78	M	M

440 MHZ

ALEXANDRIA	WA9GVK	439.25	426.25	M	MV
ALEXANDRIA	WA4ZAI	449.50	444.50	M	M
ALEXANDRIA	W4HFH	449.60	444.60	M	M
ALTAVISTA	WA4ISI	449.425	444.425	*	PLE
ARLINGTON	KA4DCS	444.875	449.875	M	M
ARLINGTON	KI4MB	449.15	444.15	M	M
BEDFD/APL ORCH	WB4DBB	449.35	444.35	*	L
BIG "A" MTN	KB4WTP	449.875	444.875	N	
BLUEFIELD	WZ8E	449.625	444.625	N	PL
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	*	
CHESAPEAKE	K4NDH	448.80	443.80	N	P
CHESAPEAKE	N4EVG	448.90	443.90	N	PE
COVINGTON	WA4HTI	447.25	442.25	*	O
ENON	WA4ECM	449.20	444.20	*	R
FAIRFAX	KD4DN	443.725	448.725	M	ML
FALLS CHURCH	N4EFK	449.30	444.30	M	M
FALLS CHURCH	K8ZOA	449.45	444.45	M	ML
FOREST	W8CXD	448.60	443.60	N	O
FOREST	WD4KQI	449.75	444.75	N	A
GASBURG	WA4HMT	447.00	442.00	*	C
GATE CITY	N4WWB	449.70	444.70	N	L
GREAT FALLS	N3AVA	449.05	444.05	M	M
HAMPTON	K4UMI	448.65	443.65	N	
HAMPTON	K4OGT	449.55	444.55	*	T
INDEPENDNCE HILL	AA4VA	448.80	443.80	M	M
INDEPENDNCE HILL	AA4VA	448.80	443.80	N	
LEXNGTN/ROCK MT.	KI4ZR	449.15	444.15	*	
LYNCHBG/JACK MT.	KF4YI	447.40	442.40	*	P
LYNCHBURG	K4HEX	426.25	923.25	N	CV
LYNCHBURG	AB4FU	447.95	442.95	*	PT
LYNCHBURG	K4HEX	449.50	444.50	N	
MANASSAS	WD4JCE	444.225	449.225	M	ML
MARION	N4IQV	447.00	442.00	*	ATR
NORFOLK	W4WIN	439.25	426.25	N	V
NORFOLK	WD4MIZ	449.675	444.675	N	
NORTON/HIGH KNOB	WA4NDQ	449.85	444.85	*	TRB
OILVILLE	KB4MIC	449.80	444.80	*	P
PEARISBURG	N4AZJ	449.975	444.975	*	
PETERSBURG	K4ARO	449.40	444.40	*	T
PORTSMOUTH	KK4SN	449.00	444.00	*	AE
RICHMOND	N4LFU	448.35	443.35	*	
RICHMOND	K4ARO	449.65	444.65	*	
RICHMOND	K4ARO	449.85	444.85	*	
ROANOKE	KA4YUY	447.175	442.175	*	
ROANOKE/LONG RDG	WB8BON	449.925	444.925	*	O
ROANOKE/POOR MTW4CA		447.50	442.50	*	L
ROANOKE/POOR MT.N4FHL		426.25	439.25	N	V
ROANOKE/POOR MT.N4VG		447.70	442.70	*	
ROANOKE/POOR MT.WB8BON		448.65	443.65	*	C
SPRINGFIELD	AA4VA	449.15	444.15	M	M
STAIMTPK/EL KNB	N4RAG	449.10	444.10	*	
STAUNTON	WA4ZBP	449.825	444.825	*	
STAUNTON	W4WRN	449.95	444.95	N	
STERLING	WA4TXE	447.20	442.20	M	M
STUART/SPOON MTN	KB4KQI	448.30	443.30	N	R
STUARTS DRAFT	KB4OLM	449.05	444.05	N	
TYSONS CORNER	WB6GUS	448.50	443.50	M	M
TYSONS CORNER	K4JYF	449.75	444.75	M	M
VIENNA	K4HTA	448.25	443.25	M	M
VIRGINIA BEACH	WA4KXV	449.95	444.95	*	E
WAYNESBORO	KA5NOJ	439.25	426.25	*	V
WAYNESBORO	WA4EZA	449.20	444.20	*	
WHITETOP MTN	KM4X	448.00	443.00	*	TB
WILLIAMSBURG	W4NTG	448.95	443.95	*	
WILLIAMSBURG	WB5LFS	449.10	444.10	*	T

MORE VIRGINIA REPEATERS

WINCH/BLUEMONT	WA4TSC	444.925	449.925	M	M
WINCHESTER	NB3O	444.175	449.175	M	M
WINCHESTER	W3CSG	447.00	442.00	M	M
WINDY GAP MT	W4WIC	448.75	443.75	*	A
WOODBRIDGE	KA4DCS	444.875	449.875	M	M
WOODBRIDGE	WB4FQR	449.90	444.90	M	M
WOODFORD	WA4SDE	443.975	448.975	M	M
WYTHEVILLE	KA4JRL	448.80	443.80	N	C
WYTHEVILLE	WB3T	449.325	444.325	*	ALT

920 MHZ

ALEXANDRIA	WA4CCF	907.60	919.60	M	M
FOREST	KB4OSI	909.00	921.00	N	

1270 MHZ

ALEXANDRIA	WA4CCF	270.60	282.60	M	M
APL. ORCH. MTN.	WB4DBB	271.02	291.02	*	
VIENNA	WR4S	272.00	292.00	M	M

WEST VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

BECKLEY/BOLT	KA8OTX	29.52	29.62	N	PR
BERKELEY SPRINGS	KK3L	29.52	29.62	M	M
CHARLESTON	WB8CQV	29.54	29.64	N	L
PARSONS	KE8QC	29.54	29.64	*	TLO

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	N	
ST ALBAN/COAL MT	WD8JKA	52.03	53.63	N	ATNB

2 METERS

ALDERSON	WA8AVZ	146.13	146.73	*	
BECKLEY/BOLT	N8FRV	144.57	145.17	*	AL
BECKLEY/EOC	N8FWL	144.77	145.37	*	A
BECKLEY/FLAT TOP	K8BO	146.25	146.85	*	
BECKLEY/LAYLAND	WF1G	144.71	145.31	*	L
BLUEFIELD	W8MOP	144.89	145.49	N	P
BRIDGEPORT	WB8DKM	147.72	147.12	*	PT
BUCKHANNON	N8FHE	144.53	145.13	*	AL
BUCKHANNON	N8FHE	144.81	145.41	*	A
BUCKHANNON	WD8L	146.25	146.85	N	
CHARLES TOWN	N8EIV	146.385	146.985	M	MA
CHARLESTON	WS8L	144.83	145.43	*	P
CHARLESTON	WB8IFS	146.22	146.82	N	A
CHARLESTON	KD8TC	147.81	147.21	N	
CLARKSBURG	N8FMD	146.085	146.685	*	L
CLARKSBURG	KE8MR	147.915	147.315	N	
CRAIGSVILLE	KD8OG	144.67	145.27	N	L
ELKINS	KB8BWZ	146.175	146.775	*	
FAIRMONT	W8SP	146.30	146.90	N	NB
FLAT TOP/WINTRPL	WF1G	146.025	146.625	*	A
FRANKLIN	W3RUA	147.945	147.345	*	
GASSAWAY	WB8MZI	146.01	146.61	N	
GLENVILLE	KA8ZXP	144.69	145.29	*	AELR
GRAFTON	WD8LNB	147.975	147.375	*	
GRANTSVILLE	N8LGY	144.85	145.45	*	PE
HARRISVL/PENSBRO	WB8NSL	147.90	147.30	N	
HORSEPEN MT	NV8H	147.795	147.195	*	PL
HUNTINGTON	WB8FEQ	144.61	145.21	N	Y
HUNTINGTON	W8VA	146.16	146.76	N	PEL
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	*	ER
KINGSTON/LICK KB	W8FG	144.87	145.47	N	
LEON	WB8NMT	147.78	147.18	N	O
LIBERTY	W8HYX	144.81	145.41	*	
LOGAN	WA8ZLR	146.09	147.11	N	NB
LOGAN/SUMERCO	NU8K	147.945	147.345	*	PL
LOGAN/WARD RK MT	KJ8E	146.37	146.97	*	PL
MARMET/BEE MT	K8HDB	144.55	145.15	N	O
MARTINSBURG	WA8FSE	144.55	145.15	M	M
MARTINSBURG	WB8VAZ	147.855	147.255	M	M
MCMECHEN	N8FQN	146.31	146.91	*	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	*	PL
MORGANTOWN	KE8QC	147.675	147.075	*	PLR
MT STORM	KA8JTH	147.705	147.105	*	PLER
MULLINS/HRNDN MT	KC8IT	147.63	147.03	*	R
NEW MARTINSVLLE	WB8CSW	147.54	146.94	N	NB
OAK HILL	W8OQC	146.19	146.79	*	E
PARKERSBURG	WY8F	144.89	145.49	*	APR
PARKERSBURG	WF8U	146.145	146.745	N	AE
PARKERSBURG	WA8CRW	146.37	146.97	*	A
PARKERSBURG	WY8F	147.96	147.36	*	PR
PARKERSBURG	WA8CRW	147.99	147.39	*	P
PARSONS	KE8QC	144.73	145.33	*	LREPB
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KA8PNC	146.46	147.06	*	A
PRINCETON	WB8NRK	147.825	147.225	*	A
PRINCETON/PIPEST	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	N	P
RAVENSWOOD	WD8JNU	148.10	146.70	N	R
RICHWOOD	WB8YJJ	144.59	145.19	N	B
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT	WC8S	147.87	147.27	*	PEL
SHERRARD	KD8GL	148.115	146.715	*	EPL
SO. CHARLESTON	WB8CQV	146.28	146.88	N	L
SPENCER	WT8Z	147.705	147.105	N	
SPRUCE KNOB	N8HON	147.885	147.285	*	L
ST ALBANS	WB8GDY	146.40	147.00	*	B
ST ALBANS	KA8SVR	147.75	147.15	*	PELR
ST ALBANS	K8WMX	147.975	147.375	*	Y
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94	*	
TERRA ALTA	KD8ZR	147.60	147.00	*	AE
UPPER TRACT	KB8BUC	146.055	146.655	*	
WEIRTON	KC8JN	146.34	146.94	N	A
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	P
WHEELING	WB8JGY	144.59	145.19	N	PL
WHEELING	W8ZQ	146.16	146.76	*	P
WILLIAMSON	WR8M	144.73	145.33	*	AR

220 MHZ

CHARLESTON	WB8YST	222.76	224.36	N	C
FLAT TOP/WINTRPL	WF1G	222.52	224.12	*	A
KINGSTON/LICK KB	W8FG	223.14	224.74	N	
PARSONS	KE8QC	222.88	224.48	*	ALR
WILLIAMSON	WR8M	222.54	224.14	*	

440 MHZ

ALDERSON	WF1G	449.40	444.40	*	A
BECKLEY/KINGSTON	WF1G	449.80	444.80	*	R
BUCKHANNON	N8FHE	448.10	443.10	*	L
CHARLESTON	KB4BNW	449.75	444.75	N	
HUNTINGTON	WB8EZR	448.00	443.00	*	
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	*	PL
MULLENS/HRNDN MT	KC8IT	449.00	444.00	*	LR
PARKERSBURG	WY8F	449.775	444.775	*	C
PARSONS	KE8QC	447.20	442.20	*	BEPLR
SO. CHARLESTON	WB8CQV	449.95	444.95	N	RL
ST. ALBANS	K8MHR	448.15	443.15	*	PLR
THOMAS	KE8QC	449.65	444.65	*	PER

Repeater Owners!! Still Time to Join or Renew Full Membership for 1991!

SERA is enjoying an all-time record of repeater owners joining as Full Members, indicated by stars in our repeater listing. Your membership helps defray the costs of maintaining the standards and quality of the Organization you would expect. Membership is NOT required for SERA services, but we DO solicit and request your participation with hundreds of your fellow repeater owners.. **Only $10.00 Membership fee for remainder of 1991** - The two persons you name are representatives of SERA and will receive the REPEATER JOURNAL.

Submit Form (or Copy) and $10.00 Check To: SERA MEMBERSHIP, P.O. BOX 215, Tobaccoville, NC 27050.

SouthEastern Repeater Association, Inc.

SERA Is The Coordinator For: NC,SC,VA,WVA,TN,KY,GA, & MS

FULL MEMBERSHIP APPLICATION FOR PERIOD THRU DEC. 31, 1991

City/Mtn (Max 14 Char)	Callsign	Input Freq.	Output Freq.	
				No. 1
				No. 2
				No. 3
				No. 4

Name Two Persons Who Will Represent SERA, and Will Receive The Repeater Journal

Name _____ Call _____ Name _____ Call _____

Address _____ Address _____

City _____ State _____ Zip _____ City _____ State _____ Zip _____

Phone: ( ) _____ Phone: ( ) _____

ARRL Member ( ) Yes ( ) No ARRL Member ( ) Yes ( ) No

Membership: New_____ Renewal_____ Fee Enclosed ( ) Yes ( ) No Amount:_____

Repeater Sponsor _____ Date _____

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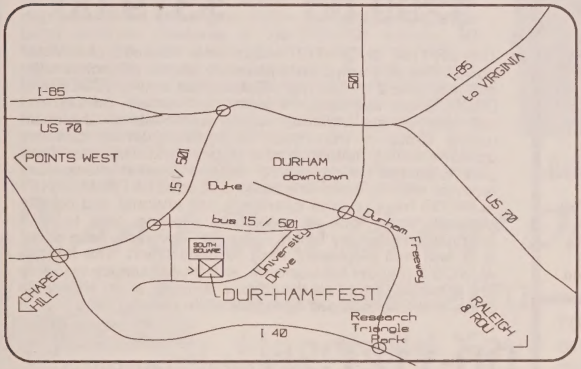

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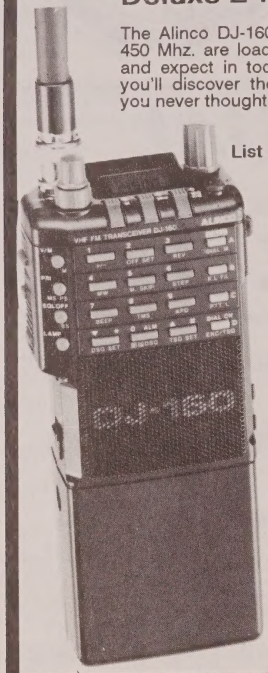
ALINCO DJ-160T

Deluxe 2-Meter Handheld



The Alinco DJ-160T for 2-Meters and DJ-460T for 450 Mhz. are loaded with great features you need and expect in todays handheld. Grab one today, you'll discover the quality and features of Alinco you never thought were possible for the price.

List Price $379 **$265.00**

ALINCO DJ-460 450 MHZ
DELUXE H/T...275.00

Check These Features:

- 20 Memory Channels & Call Chan.
- 3W Out/1W on std 700 Mah battery
- 6W Out on opt 12V Batt or Dir. DC
- Direct DC Oper any 12-13.8vDC
- Keyboard frequency entry or with up/down keys
- Up/Down Memory keys or Memory tune knob for memory tuning.
- Extended receive 130-173.995 Mhz.
- 5 chan. frequency steps in VFO
- Scan Lock-Locks out memories
- 3 Scan modes-Mem., Band or prog.
- 14 Combination scan modes poss.
- Subtone Encode Standard
- "Page Function" (for individual or group paging) with opt. decode bd.
- Tone Squelch and Digital Squelch (DSQ) with opt. decode board.
- Two Autodialer memories-16 digit
- Automatic Battery Save function
- Automatic Power Off function
- Dial Function-change freq or mem.
- "Dual Watch" (scan between call, VFO or Memories
- "Priority" can be used with VFO, Call or Memory.
- 16-Position DTMF Touchtone pad
- Reverse Function
- Lighted LCD Full Function **readout**

ALINCO

Acessories For DJ-160T,DJ-460T & DJ-560T

EBP-10N - 7.2vDC, 700 MAH Battery	$39.95
EBP-12N - 12vDC, 700 MAH Battery (Chgr Needed)	$58.95
EDC-22 - 12 Heavy Duty Wall Charger for 12V Batt.	$26.95
EDH-1 - Alkaline Dry Cell Battery Case	$18.95
EDC-16 or EDC26 - Filtered Cig. Power/Charge Cable	$19.95
EMS-2Z - Speaker Mike, with Lapel clip	$36.95
EME-10 - Headset Boom Mic, with VOX, PTT, earpiece	$79.95
ESC-10 - Soft Vinyl case for DJ-160T/460T	$22.95
ESC-11 - Soft Vinyl case for DJ-560T	$22.95
EJ-6U - Tone Squelch (Decode) unit DJ-160T/460T	$49.95

Williams Stocks ALL Alinco Accessories

Please Add $4.00 UPS Shipping OR $6.00 USPS shipping for RADIO orders, or $2.50 UPS OR $4.50 USPS for Accessory orders. N.C. Residents Please add 5% Sales Tax. NO CREDIT CARDS ACCEPTED. Prices subject to change without notice or obligation. Prices good for in stock items.

DR-110T - 2M 45-Watt Transceiver

The ALINCO DR-110T and the DR-112T are identical radios as far as features are concerned. The main difference is the LCD readouts. If you are in bright sun a lot - the black LCD with Orange Backlight on the DR-112T may be your choice. In the shack or elsewhere, the extremely handsome Red LCD readout of the DR-110T is suitable. Either ALINCO you choose, you cannot go wrong!

DR-110T-Red LCD Readout **$299.00**

DR-112T-Black LCD Readout **$319.00**

The DR-110T or DR-112T each have 45-watts of 2-Meter power. The very small units measure only 5-1/2-inches wide and less than 2-inches high. Subaudible tone ENCODE and DECODE are standard. 14 Memory channels, priority and call channel are included, easily accessed by the main tuning knob, or from your microphone which contains up/down tuning buttons, and a 16-position DTMF touchtone pad. A unique spring loaded mobile bracket allows easy removal with no bolts or screws to turn. The DR-110t/112T ALINCOS have reverse operation, call channel and priority channel. Scan lock is a feature allowing you to skip channels in memory when scanning. The radio face panel is lit and well displayed, easy to understand. The famous ALINCO 6 months full warranty, and 2-year service warranty are prositive proof that the quality is there, at an affordable price. Williams includes all modification sheets in the box.

DR-112T - 2M 45-Watt Transceiver

Either way is the right way
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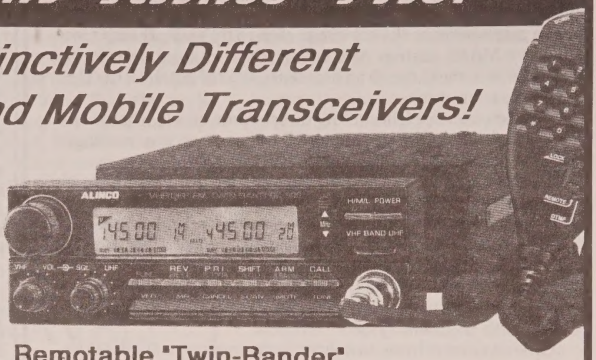
ALINCO Two Distinctively Different Dual Band Mobile Transceivers!

DR-590-T 2m/440 Transceiver

The Dual-Bander from ALINCO-where there is no comparison on the market. The DR-590T can be remotely controlled (with option DTMF Board) by any DTMF/DSQ capable H/T - functions such as change frequency - (VFO or Memories), shift from VFO to Memory mode, turn on or off Cross Band Repeat and more. With the optional EDC-20 remote cable, the control head of the DR-590T can be remoted. With the optional Sub tone decode board the DR-590T can operate as a paging single or group calling system. Cross band repeat and Cross Band full duplex is a snap with the DR-590T. 40 memory channels (20 each band) and 10 ARM (automatic repeater memory) channels. 8 scanning modes, set display brightness, reverse operation, mute either band, automatic dialer, 6 channel steps in VFO, key lock function, priority and call channel are just some of the additional features of the DR-590T. 45/35W on 2M/440 16-position DTMF touchtone mike. (Duplexer is optional).



Remotable "Twin-Bander"

DR-590T **$629.00**

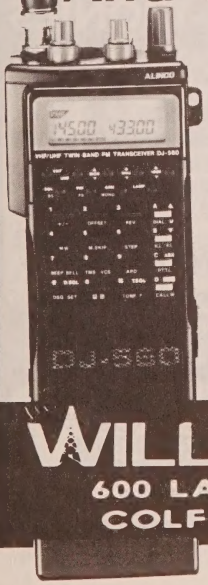
DR-570T **$549.00**

DR-570T 2m/440 Transceiver

The DR-570R is a full featured twin-band radio with dual readout, volume, tune and squelch controls. Cross band repeat is a snap with the flick of a switch on the cover, cross band full duplex, simple to setup. The DR-570T has subtone Encode and Decode standard. A Built-in duplexer allows direct one cable connection to a dual-band antenna. Features of the DR-570T include: 20 Memories (10 each band), Scan memories or VFO in either or both bands simultaneously, 5 scan steps in VFO. "ABX" allows automatic switching between bands for transmit, Illuminated front panel, 45/35W on 2M/440, Priority and call channels, different "beep" confirmation-tones, one touch band selection, band ignore and locking reverse. Tune VFO or memories from up or down buttons on 16-position DTMF touchtone microphone, and much more! The DR-570T matches the best today!

Alinco "Twin Bander"

And One Great Dual Band H/T



DJ-560T 2/70 Handheld Xcvr

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Look At These Features!

The ALINCO DJ-560T has 40 Memories (20 each band) plus call channels per band, Receive both bands simultaneously, Cross band full duplex, Twin LCD readouts, twin volume, twin tune and twin squelch controls. Keyboard, dial knob or push button frequency entry. Subtone Encode and Decode a Standard, with DSQ pager operation standard. the DJ-560T has automatic Battery Save, Automatic Power off, 5 steps in VFO scan mode, 21 scanning modes (VFO/Call/Priority/ /Memory), Automatic dialer, priority, single band function, key lock, scan lock, reverse, automatic band exchange, bell function, audible beep to confirm keyboard commands. Comes with B-I-G 700 Mah battery, 3/2W on 2M/440, has DC to DC built-in, and more!

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Desert Storm And MARS Publicity

Continued from Page 11

then "patched" into the U.S. domestic telephone system by an amateur radio operator at a point near the serviceman's home. A phone patch permits the service person to talk over the air from an Army MARS station near his overseas duty station to his family back home through an amateur-assisted patch on the U.S. end of the connection.

While phone patches allow direct connections, that is not always possible so the system handles many one-way messages at no cost to the military person.

Rinehart says when he calls to deliver a message he is quick to express the occasion is a happy one, using such expressions as "Hey, this is Ollie Rinehart and I've got good news for you."

"If I detect any panic . . . I say something like, "We're sure glad to do this service for you.' "

Rinehart, who spends about four hours each day on the network is able to send messages back to army personnel, unlike Hewlett with the Navy system.

Ollie says he refuses to deliver some messages such as the one where one man said "sell the car and send me the money.' "

I will not call a wife and tell her that, he says.

Unusual messages go both ways, too. "One woman wanted me to send a message to her husband that she was leaving town with their best friend and for him to expect divorce papers when he returned. I wouldn't send that, either," Rinehart said.

Those who work on MARS must be 14 years old and be licensed as an amateur radio operator holding a technician's license or a more advanced one.

A Letter To The Editor. . .

Dear Sir:

Reading the article "Bridging The Communications Gap" in the latest Repeater Journal (The February Issue) reminded me to write to you regarding an incident last October that left me in the debt of the members of the Outer Banks Repeater for their kindness.

My wife and I go to Nags Head 4 or 5 times a year and since I use their repeater, I joined the club by mail. I talk to some of the members on the radio, but until recently had never met them.

Last October when I was down there, they were having a special events station in Manteo, called "Down To The Sea In Ships", celebrating the 200th anniversary of the Coast Guard.

I decided to go over there from Nags Head to see what was going on and met some of the fellows. My wife, who is not interested in ham radio, went with me to go to the "Cloth Barn" owned by Harry Bridges, K4UOR. I didn't know this at the time my wife dropped me off at the special events station and then went on to the Cloth Barn.

While she was there, someone shot the rear window out in our car, and the owner's wife of the store, called the police or sheriff.

I was wondering what was taking my wife so long. The Outer Banks Repeater Association has a reverse auto-patch which I was unaware of since I am from out of town.

While I was sitting there waiting for my wife, the owner of the Cloth Barn got a call on the Reverse auto-patch notifying him and me that my car window had been shout out. He didn't know who I was, I didn't know who he was.

Finally it dawned on both of us and he gave me a ride to the Cloth Barn to assist my wife. Not only did he do that, he also removed the broken glass, vacuumed the car, cut some material from his stock and covered the window until I could get home and replace it.

And for all that, he would not accept even one penny of payment. I believe that Part 97 of the FCC Rules & Regulations refers to ham radio as non essential information, but it sure comes in handy sometimes.

Yours Very Truly,
R. George Silk, Newport News, Va.

DIAMOND

SX-100	1.6-60MHZ 30/300/3KW SWR/POWER	124.95
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SX-400	140-525MHZ 5/20/200 SWR/POWER	104.95
SX-600	1.8-200&140-525MHZ 2/20/200WATT	164.95
F-22A	2 MTR 2-7/8 6.7 db 200WATTS 10.5'	97.95
F-23A	2 MTR 3-5/8 7.8 db 200WATTS 15.0'	139.95
X50A	144-4.5db/440-7.2db 5.6 FEET 200W	99.95
X200A	144-6.0db/440-8.0db 8.3 FEET 200W	134.95
X500A-N	144-8.3db/440-11.7db 17.2 FT 200W	174.95
X500HA-N	NEW HEAVY DUTY VERSION OF X500A-N	249.95
NR-140A	220 MHZ 4db 1-1/2 & 1-1/4 WAVE	49.95
CR-214S	146-3.0 db/220MHZ-3.0 db	53.95
NR-770RA	146-3.0 db/440-5.5db 200WATTS 39"	47.95
NR-790RA	146-4.5 db/440-7.2db 120WATTS 58"	74.95
SG-2000	2 MTR SUPER GAINER 5.2db 150 W.62"	72.95
SG-7500	146-3.0 db/440-5.5db 200WATTS 39"	72.95
SG-7900	146-4.5 db/440-7.2db 150WATTS 62"	97.95
K-400M	TK MNT BLACK ADG(0-90)16.5'W/RG-188	71.95
D-130J	DISCONE ANT 25-1300MHZ 200W XMIT	86.95
MX-72H	2MTR/440 DUP. 12"COAX 2 PL259	49.95
MX-72N	2MTR/440 DUP. 12"COAX PL259 & N	52.95
MX-214	2MTR/220MHZ DUP. W/PL-259	64.95

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COACH'S CORNER

— by Carter Cogle, K4ARO

A Cure For Short Microphone Cables

Mike cables shall always be too short. (Murphy's Law 101) Some manufacturers offer extension cables, but they are expensive, and never available when and where you need them. A little ingenuity will produce a cable of optimal length with materials which are readily available. Most modern transceivers use the 8-pin DIN connector and these are readily available at hamfests and many local parts stores. The problem is that the male, chassis-mount connector lacks a hood. I have found that a PL-259 outer shell screws on the back of most connectors. Discard the locknut on the chassis-mount male, but you may want to retain the lockwasher, if present. After the cable is made and tested, filling the shell with a silicon-rubber compound will make a good strain relief.

An alternative to the PL-259 shell is the shell from the 4-pin connectors used on most older land-mobile radio microphones. They have no internal threads, but may be attached by drilling and tapping the shell for a setscrew, soldering or gluing. These shells usually have an integral cable strain-relief.

Your transceiver's manual should indicate which wires, if any, are shielded and your extension should be assembled accordingly, attaching pin 1 to 1, 2 to 2, etc. I have made calbes up to 10 feet long, with no apparent degradation of audio quality or remote control functions present on many modern mikes. If a jacketed, multi-conductor cable is not available, use individual wires, and bundle with cable ties, Sprial-Trap (tm) or cover with heat shrinkable tubing.

CAREFULLY check your work before applying power.

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2-METER 5-ELEMENT BEAM

Two Meter 5-Element Beam. Has 6.6 db Gain, with 11 db Ft. to Back Ratio. Package to Operation in Just 5 Minutes Great for Field Day, or Mountain Topping.
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1st Codeless Technician License Issued In March

Robert N. Williams, N3IFY, of Annapolis, Md. has the distinction of receiving the first code-free license issued by the FCC. He received his callsign in mid-March. The new Technician class license became effective on February 14.

EVERY YEAR IT HAPPENS!

1991 WILL BE NO DIFFERENT!

LABOR DAY WEEKEND IS SHELBY WEEKEND

On August 30th and September 1, over 15,000 Amateurs, Dealers, Fleamarketeers, Computer Enthusiasts and Manufacturers will converge on the Cleveland County Fairgrounds at Shelby, N.C. for the "Granddaddy of Them All" - the annual SARC SHELBY HAMFEST. Make your plans Labor Day weekend to Experience this unbelievable event - The 1991 Shelby Hamfest. More information and Reservation forms will be in our ads in the August Repeater Journal. Meanwhile - GET READY FOR SHELBY - ITS COMING - The Southeast's Event of the Year!

SHELBY HAMFEST 1991 - DON'T MISS IT!

REPEATER JOURNAL VE/VEC EXAMINATION SCHEDULE

TENNESSEE

Blount County, Maryville WCARS-VEC

Second Monday on each even month. Sked: Jun.10, Aug.12, Oct.14, & Dec.8, 1991. 7:00 P.M. at St. Andrews Church Hall, W. Broadway, Maryville. Walk-ins normally accepted. Contact: Carrol Peabody, W4PCA (615) 982-5839. Talk-in: 146.85.

Carter County WCARS-VEC

Walk-ins accepted if registered by 8:45 a.m. Exams some Saturdays at 9:00 a.m. Contact Joe Hopkins, K4BKI, (615) 543-4022 for schedules.

Chattanooga WCARS-VEC

Exams held 1st Friday of each Month, at 6:30 p.m. (except July and November) at Red Cross Building. Pre-registration required 2 days in advance. For further information, contact: Bill Wiggins, N4BMR. (615) 886-2093. Talk-in: 146.79.

Cleveland WCARS-VEC

Quarterly Exams at STAR Club Building. Saturday Afternoons at 3:00 p.m. Sked: Jun.8, Sep.14, and Dec.14. Walk-ins normally accepted. Contact: Russell E. Lawson, WB4LCB, 802 SE 20th St. Cleveland, Tn. 37311. (615) 476-8476. Alternate contact, Melba Randolph, KB4HOW, 4610 Mouse Creek Rd., Cleveland, Tn. 37311. (615) 476-9267. Talk-in: 147.18 & 146.91.

Fentress County WCARS-VEC

Walk-in exams scheduled some Saturdays at 6:00 p.m. For information contact: Mike Ledbetter, AB4BX, (615) 879-8626 or alt: Steve Qualls, KJ4HT, (615) 879-7517. Talk-in: 147.09.

Greeneville WCARS-VEC

Exams on 4th Saturday of each odd-numbered month at Roby Adult Center on College St. Sked: May 25, Jul.20, Sep.28 and Nov.23. Walk-ins normally accepted. Contact: Jack Creed, K4EPC, 826 Rosebud Dr., Greeneville, Tn. 37743. (615) 638-7056. Talk-in: 147.39 & 224.94..

Henry County WCARS-VEC

Walk-in exams held at Henry County High School, Paris. Contact Mackie Gallimore AA4YF, (901) 247-5489 for future schedules. Alt. Les Merrell, KQ4F, (901) 642-5966. Talk-in: 147.165.

Jasper WCARS-VEC

Walk-in exams held Sunday afternoons at Jasper Public Library. For schedules, contact: Charles Wooten, KD4XX, (615) 942-5116. Talk-in: 145.19.

Knoxville WCARS-VEC

Third Saturday of each month normally. Upgrades only. Novice testing on request from NY4A, N4BAQ, ND4F, WA4GZE, N4IJL, W4MHA, KM4SX, WA4TKN and others. Pellissippi State Tech. Room B-129. (except Hamfest dates) Pre-registration required. Contact: Ray Adams, N4BAQ, 4325 Felty Dr., Knoxville, Tn. 37918. (615) 688-7771. Alt. Rich Slover, ND4F, 2700 Waverly St. #4, Knoxville, Tn. 37921, (615) 539-4821. Sked: June 1 (Knoxville Hamfest) Jun.15, Jul.20, Aug.17, Sep.21, Oct.19, Nov.16 and Dec. 21. Talk-in: 147.30 & 224.50

Loudon County, Loudon WCARS-VEC

Fourth Saturday of each even month, at Third National Bank on U.S. 321 E. (321 is Exit 81 on I-75, then East to Bank) Walk-ins normally accepted. Sked: Jun.29, Aug.24, Oct. 26, and Dec. 21. Contact: Bob Gray, KE4SK (615) 458-6115. Talk-in: 145.17.

McMinn County WCARS-VEC

Exams on 2nd Monday evening at 8:00 p.m. of each odd numbered Month, at Athens Municipal Building Council Chambers. Walk-ins accepted. Sked: May 13, Jul.8, Sep.9 and Nov.11, 1991. Contact Ben C. Dickson, W4NEG, (615) 745-2198. Alt. Evan Ray, WA4PNI. (615) 263-9300. Talk-in: 145.31.

Metropolitan Memphis Area ARRL-VEs

Exams on First Saturday in August and December at 9:00 a.m. at State Technical Institute in Memphis. Exams also at "Memfest '91" in Oct. at Mid-South Fairgrounds. Pre-registration for all sessions within 2 days of exams. Contact Harry Simpson W4MI at 1830 Macaulay Ave., Memphis, Tn. 38127. Call (901) 357-8148.

Morgan County WCARS-VEC

Second Saturday of each odd month at Joyner Volunteer Fire Dept., Coalfield. Sked: May 11, Jul.13, Sep.14, and Nov.9. Walk-ins normally accepted. Contact: Paul Seavers, AA4UP (615) 435-6052. Talk-in: 146.745.

Roan County WCARS-VEC

Second Saturday of each even month at Pond Grove School, Rockwood. Sked: Jun.13, Aug.10, Oct.12, and Dec.14. Walk-ins normally accepted. Contact: Richard Spillee, AA4KS, (615) 354-4281. Alt. Bill Smelcer, KA4AAD, (615) 882-9070. Talk-in: 147.015.,

WEST VIRGINIA

Bluefield W5YI-VEC

Exams (Novice thru Extra) second Saturday each Quarter, Feb., May., Aug., and Nov. 9:00 a.m. Bluefield State College. Walk-ins are preferred. Contact: Don Williams, WA4K, (Bluefield VE Team) (703) 326-2411 or (703) 326-3338.

Beckley, W5YI-VEC

The Smoke Signal Ridge VEC Team, sponsored by the ARA, Northern Div., will conduct Novice through Extra tests at the Mine Safety & Health Admin. Academy near Beckley, adjacent to the Raleigh County Airport. Exit 125 on I-64. Tests begin promptly at 6:00 p.m. in Rooms C108 & C109. Walk-ins will be accepted, bring completed form 610. Exam dates: Jun.15, Sep.,21 and Dec.14.

Charleston, W5YI-VEC

The Kanawha Valley group gives Novice thru Extra class exams at 9:00 a.m. 3rd Saturday of each month, at Holy Trinity Catholic Church in Nitro. Walk-ins are accepted. Talk-in on 40-00 St. Albans repeater.

HUNTINGTON, TARA W5YI-VEC

The Tri-State ARA VE Team will conduct Walk-In Exams at the Our Lady of Fatima Church, 545 Norway Ave. Huntington. Check-in at 9:30 a.m., exams at 10 a.m. Sked: Jun.15, Oct.19, Dec. 14. Special exams will be given at August Hamfest site. For further exam information Contact: Jim Baker, K8KVX, (304) 736-6542.

VIRGINIA

Danville W5YI-VEC

Exams held last Tuesday of each month January through November at Danville Community College, Hill Building. Contact Jim Bond, AB4FZ, (804) 799-2422 for further information.

Roanoke WCARS-VEC

Walk-in exams are held at Hollins College. For info, and 1991 dates, contact Fred L. Horton, KZ4Y, 4024 Oakland Blvd., Roanoke, Va. 24012. (703) 366-6266. or Ben Giavaden, N4BG, Rt. 7, Roanoke, Va. 24022, (704) 344-7000. Novice testing on request. Talk-in on 146.985.

Norfolk, Va. Beach, Hampton Roads, Portsmouth, Chesapeake, Wmsburg.

All exams: Walk-ins are ok, but contact person would like to know in advance you are coming. Bring original license and photo copy and any license upgrade certificates. See individual exams for Contact person.

ARRL EXAMS - Make check for $5.25 payable to ARRL/VEC. For W5YI Exams - Make check for $5.25 to Bill Verebely/ VEC for Chesapeake DX Assn Exams, or to HRRA/VEC for Hampton Roads RA exams.

Southeastern Virginia Schedule

HAMP.RDS EXAMS W5YI/VEC contact Bill Runyon, N4BDH, 487-8611. Sked: May 18, Aug.17, Nov.16.

PORTSMOUTH ARC ARRL/VEC contact Art Thiemens, AA4AT 484-2857. Sked: May 4, Nov.2.

VIRGINIA BEACH ARC ARRL/VEC contact Ed Robinson, WD4GDY, 468-0866. Sked: Jun.1, and Dec. 7. Special Session Sep.22 at ARRL Convention and Hamfest, contact Ed Brummer, W4RTZ, 898-8031.

CHESAPEAKE DX ASSN, W5YI/VEC. Contact Bill Verebely, KC4YX, 424-4764. Sked: Jul.13.

WILLIAMSBURG AREA ARC, ARRL/VEC. Contact Andrew Swanson, WJ4X, 253-2811. Sked: Oct.12.

NORTH CAROLINA

Asheville WCARS-VEC

Exams on Saturday July 27th (At Hamfest), and Oct. 26, at 9:00 a.m. at Health and Social Services Bldg. Walk-ins normally accepted. Contact Garland Lance, NC4N, 854 Sand Hill Rd., Asheville, NC 28806 (704) 667-3758. Talk-in: 146.91 & 224.60.

Asheville WCARS-VEC

Second Saturdays: Sked: Jun.11, Sep.14, and Dec. 14. Exams held at 9;00 a.m. at Leicester Vol. Fire Dept., 9.3 mi. N. of Patton Ave. on Hwy 63. Walk-ins normally accepted. Contact Larry York, WB4PLA, Rt. 4, Box 420 Martin Br. Rd., Leicester, N.C. 28748. (704) 683-1400. Talk-In: 146.91 & 224.60.

New Bern WCARS-VEC

Walk-in exams held at New Bern High School. Sked: Aug.24, Oct.26 and Dec.28, 1991. For info contact: Andy Griffith, W4ULD, 203 Lord Granville, Dr., rt.2, Morehead City, NC 28857. (919) 726-5924.

Raleigh and Durham

Raleigh ARS and Durham FMA VEs conduct examinations alternating monthly between Durham and Raleigh. Pre-registration generally requested, but walk-ins are accepted until 30 minutes prior to exam time. Contact: AA4MY or KY4Y for further information and schedules.

Yadkinville ARRL-VEC

Walkin exams, 2nd Saturday of every month, 9:00 a.m. at Yadkinville Elementary School. For info, contact Fred Pepper, N4UAN, Rt. 6, Box 574, Yadkinville, Nc 27055. (919) 679-8954.

Salisbury W5YI-VEC

Salisbury VE team has Exams on 2nd Sunday from 1:00 to 4:00 p.m. monthly at the Emergency Operations Bldg. For information contact: Isabelle Ledford, AB4UX, P.O. Box 826, Cooleemee, N.C. 27014. (704) 284-2414.

GEORGIA

Augusta, ARRL-VEC

Exams conducted at Fort Gordon, Bldg.

(Continued on Next Page)

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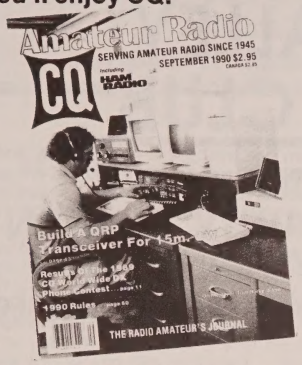

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VE/VEC EXAMINATION SCHEDULE

(Continued from Previous Page)

31424 at 9:00 a.m. Sked: May 11,Aug.10, Nov.9. Contact: Ace Norton, NA4I (404) 798-5060.

Augusta WCARS-VEC
Exams on 2nd Saturday of each Odd numbered month at Sue Reynolds Community Center. Code tests at 10 a.m. Written elements at 11 a.m. Walk-ins normally accepted. Sked: May 11, Jul.12, Sep.13 and Nov.8. Contact Jim Abercrombie, N4JA, 2360 Travis Pines Rd., Augusta, Ga. 30906. (404) 790-7802. Talk-In: 145.49.

(Metro Atlanta Area Examinations)

Lawrenceville W5YI-VEC
Exams scheduled 1st Sunday each month at 2:00 p.m. at Jackson EMC, 461 Swanson Rd., Lawrenceville. Walk-ins accepted. Contact Duane Reynolds, WB2YAD, 962-9582.

Peachtree City CA-VEC
Exams scheduled 1st Saturdays at 12:00 noon at Peachtree City City Hall. Take exit 12 off I-85 and go South on Hwy 74. Walk-ins ok. Contact Mike Murphy, KB4KZY, 487-7494.

Stone Mountain CA-VEC
Schedule is 2nd Saturday of each month, at 8:30 a.m. at Stone Mt. Methodist Church, 5312 W. Mt. St. Walk-ins accepted. Contact Hal Martin, KI4RD, 469-6430. Fee $4.00.

Southern Tech CA-VEC
Exams on 3rd Saturday each month. Walk-ins accepted. 9:00 a.m., at Southern Tech, Room 209, Classroom Bldg.. (Exit 112 from I-75) Contact Hal Martin, KI4RD, 469-6430.

DeKalb County CA-VEC
Walk-in exams held 4th Thursday of the month at 7:00 p.m. at DeKalb Co. E.Precinct, Lithonia. Contact Harvey Pearson, WB4PHF, 972-5061.

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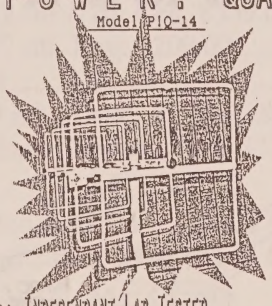

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North Atlanta ARRL-VEC
Walk-ins accepted for exams held on 4th Sunday each month at 2:30 p.m. at Church of the Atonement on Highpoint Rd. Contact Neil Foster, KC4MJ, 449-3340.

Dalton WCARS-VEC
Fourth Saturday of each even numbered month at Unity Methodist Church at 4:00 p.m. Pre-registration-send 610 to arrive no later day before exam. Contact Bert L. Coker, N4BZJ, 1320 Michael Dr., Tunnelhill, Ga. 30755. (404) 673-2214. Alt. Contact, Harold W. Jones, N4OTC, P.O. Box 211, Rocky Face, Ga. 30740. (404) 278-7077. Talk-in: 147.315 & 224.74.

KENTUCKY

Hazard WCARS-VEC
Examinations usually held on some Tuesdays at 7:00 p.m. at Ray G. Eversole School. Walk-ins normally accepted. For exact dates and additional information, contact John Farler, K4AVX, (606) 436-5354.

Middlesboro WCARS-VEC
First Saturday at 10:00 a.m. of each even numbered month at Middlesboro Library. Sked: Feb.2, Apr.6, Jun.1, Aug.3, Oct.5 and Dec. 7. Walk-ins normally accepted. Contact Wade Bevins, WA4OBL (606) 337-8165, or alternate James Dykə, KZ8A, (615) 869-4453. Talk-in: 146.775.

SOUTH CAROLINA

Charleston WCARS-VEC
Exams third Saturday of each odd-numbered month at 9:00 a.m. at Trident Tech College. Sked: May 18, Jul.20, Sep.21, and Nov.16. Walk-ins normally accepted. Contact: Werner E. Dolder, AA4IX, 327 Heber Rd., Summerville, SC 29483, (803) 873-9465.

Columbia, WCARS-VEC
Walk-in exams will be conducted at the Red Cross Bldg., Bull Street and Harden Ext., in Columbia on Jun.15, Aug.17, Oct.19, and Dec.21. For info contact: Ray Rogers, N4WR, P.O. Box 550, Chapin, S.C. 29036. (803) 345-3373.

Greenville WCARS-VEC
Exams 1st Saturday of each odd-numbered month at 8:30 a.m. at Greenville Technical College Library Auditorium. Sked: May 4, (Anderson College at 12:00 Noon), July 13, Sep.7, Nov.1. Walk-ins normally accepted. Contact John Chism, ND4N, 203 Lanewood Dr., Greenville, SC 29607. (803) 297-1617.

Lancaster W5YI-VEC
Novice thru Extra. Pre-Regis, or Walkins. 9:30 a.m. USC, Main Bldg. Talkin 10-70. Contact Grady Robinson, AK4N, 902 Forest Dr., Lancaster, SC 29720. (803) 283-8298. Call or write for exam dates.

MISSISSIPPI

Hattiesburg WCARS-VEC
Walk-in examinations are held at the Pinebelt Airport Building. For info. and schedules, contact: James W. Delancy, WC5H, 604 Maplewood Drive, Hattiesburg, MS 39402. (601) 264-8325.

W1AW Time Change

On April 1, voice bulletins from W1AW began going on the air 15 minutes later than previously, to allow more time for the bulletins on digital mode.

41th. ANNUAL SHENANDOAH VALLEY AMATEUR RADIO CLUB

WINCHESTER HAMFEST COMPUTER SHOW
SUNDAY, AUGUST 4th., CLARKE COUNTY RURITAN FAIRGROUNDS, BERRYVILLE, VIRGINIA

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MIDDLETOWN V-E TEAM EXAMS SATURDAY 8:30 A.M. AT LORD FAIRFAX COMMUNITY COLLEGE

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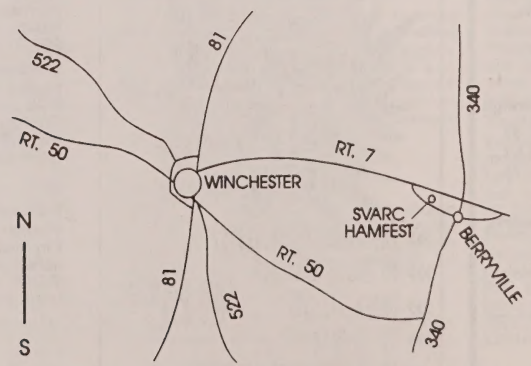

Gate Opens at 6:00 A.M. - Admission $5.00 - Tail-Gaters / Tables $7.00

EAST TENNESSEE NEWS

-by Tim Berry, WB4GBI

Send news to: 214 Echodale Lane, Knoxville, Tn. 37920

• • •

Thank you for your confidence in me to be the SERA Vice-Director, for East Tennessee. I am privileged to be working with some of the finest Amateurs in the Southeast, who are SERA Directors and Vice Directors in their respective states. It has been a busy start since the first of the year. I will try to bring all of you up-to-date on area repeater and club happenings mainly in my part of the State. If you have news you would like included in this quarterly column in each issue of the Repeater Journal, please send it to me, Tim Berry, WB4GBI, 214 Echodale Lane, Knoxville, TN 37920. Our state is so large and contains so many repeaters and clubs, I anticipate another correspondent will be writing in the future for the Western part of the State.

• • • •

The 224.86 WD4OBW machine, which has been troubled by apparent Cable TV interference, will be back up on full speed on a new frequency soon. Don will be moving his repeater to 222.92-224.52. It will be linked to the 224.36 and 224.60 machines in the Asheville (NC) area. The WD4OBW repeater provides excellent upper East Tennessee coverage from "Buzzards Roost" in Jonesborough. Don also operates the 147.39 machine from the same location.

• • • •

Andy, WJ9J, of Hixson will be moving his repeater frequency from 449.425-444.425 to 449.45-444.45 soon. Watch for his repeater to be up and running on the new frequency in the near future.

• • • •

The Knoxville Repeater Group, operating 144.73-145.33 is in the process of upgrading their system. Robin, WA4TEM is changing the linking of the various remote receivers on this machine to 900 Mhz. They are well along on completing the project as of this writing.

The 145.41 repeater in Greenville, which has been down for a while, will return with a new owner at the same location. Larry Broyles, WB4NKM has re-activated this wide area repeater from high atop Camp Creek Bald Mt. (4,800-feet AMSL). If this repeater is anything like Larry's 224.94 and 444.65 repeaters from the same location, East Tennessee hams are in for a real treat!

• • • •

Last, but DEFINITELY not least! Sam Kirby, WB4HAP, has coordinated 449.60-444.60 for a new wide area coverage repeater, to be located on English Mt. near Newport. Sam and his brother Matt, WB4IOB, have been in the repeater business since the early '70's (or since dirt. . . gotcha Sam!!) with the 146.73 and 53.15 repeaters from this great location. Look for this one to be one of the better machines in our area. (P.S. — Sam used to poke a little fun at me in the earlier CVRA Journals when I was building my first repeater, and I couldn't pass up the chance for a little PAYBACK!!)

• • • •

Whew! It's been a busy start as Tennessee Vice-Director. But, as they say on TV, there's more to come. See you with more news in August. . . Remember, if I can be of any service to you in East Tennessee, please call me at the number in front of the Journal. Write — and send news! Until next time. . . Tim, WB4GBI.

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Ray N4LXW and Judi Huff

Special Station To Operate From Barbershop Convention

Amateur radio operators will have an opportunity to share in a unique dimension of world harmony when the world's largest all-male singing organizations holds hits annual international convention in Louisville, Kentucky in July.

When 10,000 barbershop singing enthusiasts from points around the globe converge during the first week in July, a special event ham station operating from Louisville's Freedom Hall convention site will proclaim the barbershop society's theme: "Keep the whole world singing!"

Using the call W4CN, the station will operate July 4 through July 6 on 20, 15 and 10 meter, as well as 2-meters. Sideband frequencies will be 14.225-14.245 21.3-21.32 and 28.3-28.32 Mhz.. FM 2-Meter operation will be on the Louisville 147.18 repeater and on 147.58 simplex. Primary hours of operation will be from 8:00 am - 11:00 pm EDT. Convention talk-in will begin on Monday, July 1, on the repeater frequency.

All amateurs contacting the W4CN barbershop convention station on HF will receive a special commemorative QSL card, courtesy of Yaesu USA. (See sample below)

The station will be operated by members of the Amateur Radio Transmitting Society of Louisville.

Special Event Amateur Radio Station W4CN

Operated by the Amateur Radio Transmitting Society
at the 53rd international convention
of the barbershop quartet singing society

Louisville, Kentucky, USA
June 30 - July 7, 1991

"Keep the whole world singing!"

New Products..

New Comet CA-2X4MAX 2m/70cm Dualband Base/Repeater Antenna

NCG Company introduces a New Comet DualBand 2m/70cm Base/Repeater antenna centered to the American Amateur frequencies, 146Mhz/446Mhz.

This NEW Antenna incorporates COMETs exclusive SLC (Super Linear Converter) system. The SLC system uses parallel elements, instead of coiled elements in order to maintain a stable resonant frequency over the life of the antenna.

A newly designed jointing-system is made of durable ABS plastic to screw the sections together. It has an over-all length of 17-ft 8-inches, has a UHF (SO-239) Connector, and reported gain figures of 8.5db on 2-Meters and 11.5db on 70-CM

The radiation pattern of the CA-2X4MAX is virtually flat, radiating directly to the horizon to provide maximum long distance communications.

For information, contact NCG, 1275 N. Grove St. Anaheim, Ca. 92806 or call 800-962-2611, or contact your local dealer for details and pricing.

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BP-5/5A	425MAH 10.8 VDC BATTERY	62.00
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SERA Full Membership Sets New Record High

Full Membership (Repeater Owners) in SERA has achieved an all-time high with 771 repeaters. This makes a remarkable 54.5% of all repeaters in our eight States now supporting SERA through their membership.

SERA is the recognized coordinator for eight states, incorporating 1,415 repeaters under its coordination umbrella. Full Membership is NOT a requirement for any repeater, but is a voluntary decision of the repeater owner to support the organization.

North Carolina continues to lead the way in membership percentage with an outstanding 71.8%. The state now has the distinction of having more full member repeaters than any other state, including itself than ever before in the history of SERA. A total of 171 of the 238 NC repeaters are Full Members.

Virginia is second in membership percentage with 65.2% or 120 of 184 repeaters logged as full members. (Northern Virginia is not counted because it is coordinated by T-MARC).

Tennessee is going strong, setting a new State all-time membership record of 135 repeaters, for 45.8% of the state's 295 repeaters. The sheer magnitude of the number of repeaters in Tennessee makes the percentage look low, even though new highs are being reached in membership.

Other states showing good gains in Full Membership include: Georgia with 135 (a new record) for 48.9%; Kentucky, 66 (a new recored) for 51.5% and West Virginia with 59 (a new record) for 58.4%

Mississippi is tying their 1990 high with 36 repeater members, and South Carolina is only 10 shy of their 1989 record with 49.

More Will Come

More repeater owners join SERA each quarter throughout the year, as is the case where 66 joined the February through April period. Most Directors agree, 1991 will be an all-time record setting year for SERA in EVERY State.

To see how your State is doing, in numbers and memberships, see the chart on this page. The "Curr 1991" column indicates numbers of Full Member repeaters in each individual state. The "1991 Mbr %" column shows the percentage of full member repeaters against the total number of repeaters for that state. The "State Rptrs" column indicates the total number of repeaters in each state from the February 1991 base measuring period.

For information as to how you may join SERA as a Full Member, see the application on Page 28 of this issue. If you are a repeater user, and notice that your "home" repeater is not a Full Member of SERA, encourage the owners or club to join. Give them a copy of the application form to fill out and return.

SERA FULL MEMBERSHIP REPEATERS FROM 1983 TO DATE. Correct 4-16-91

STATE	FINAL 1983	FINAL 1984	FINAL 1985	FINAL 1986	FINAL 1987	FINAL 1988	FINAL 1989	FINAL 1990	CURR 1991	1991 MBR %	STATE RPTRS
N.C.	100	83	149	147	123	145	181	157	171	71.8%	238
S.C.	24	35	56	43	44	46	59	50	49	50.5%	97
VA.*	58	60	92	88	98	99	151	122	120	65.2%	183
W.VA	28	21	41	40	51	39	51	54	59	58.4%	101
TENN.	47	58	85	63	80	80	111	128	135	45.8%	291
GA.**	9	18	109	125	110	100	104	124	135	48.9%	274
KY***	1	4	18	21	19	15	48	53	66	51.5%	128
MISS***	--	--	--	--	--	3	12	36	36	37.5%	96
TOTALS	268	280	554	598	532	527	717	724	771	54.5%	1408

* Total Virginia list does not include 62 repeaters which are included in T-MARC territory, North of Highway 33 and Latitude 38-deg.North. Also 4 repeaters in the West Virginia Panhandle area, which are T-MARC.
** GA assumed SERA District Status in mid-1985.
***EKY assumed SERA District Status in 1985, Western Ky in late 1989. District renamed Kentucky (KY) District.
***MS assumed SERA District Status in late 1989.

BLUEFIELD HAMFEST COMPUTER FAIR

AN OFFICIAL ARRL HAMFEST

SATURDAY, JUNE 29, 1991 9 A.M. to 3 P.M.

BRUSHFORK NATIONAL GUARD ARMORY

(1 MILE NORTH OF BLUEFIELD, WV ON ROUTE 52)

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Made by 3-M Co. This can be used for underwater connections also. A 15 oz. can will do 50 to 100 connections.

15 Oz. can Scotchkote coating . . . $10.00

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Good for dipoles or overhead supports on beams at a very low cost. Lasts two or three times longer in the sun than regular poly rope.

¼ inch . . . . . 4 cents/foot
600 foot spool $20.00
1,000 foot spool $30.00
⅜ inch . . . . . 8 cents/foot
600 foot spool $40.00

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West Antenna can also supply ½, ⅞, 1¼, and 1⅝ inch hard line in corrugated copper, as well as ¼ inch corrugated copper superflex. We also have a limited stock of hard line connectors. If we do not have the connectors you need, they can be supplied within approximately 10 days.

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The fastest and most reliable connections for buried or above ground rods. This system provides a molecular bond that can't loosen, can't corrode, isn't subject to galvanic corrosion, and is capable of carrying more current than the grounding conductor itself. West Antenna Corporation can supply and install ground systems for commercial tower sites.

Battery Taps

Assembly provides connection to battery cable on the new side-terminal batteries, or any connection situation where terminals are not accessible. Slips over cable and set screw penetrates jacket for contact. Radio wire slipped into hole and second set screw tightens. This has proven quite adequate for high current needs.

Battery Taps . . . . . $4.95 ea.

Polyphaser Lightning Suppressors

High quality commercial units. Low loss, low noise. Frequency range through 2 Ghz. Bulkhead and inline types are available, including rotor cable and D.C. control lines. Call for prices.

2-way shops are urged to check for Dealer Pricing.

Miscellaneous

PL-259 Connectors (U.S. Made) . .65¢
10 or more . . . . . 60¢
UG-175 or 176 Adapters . . . . . 30¢
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Other Tower Accessories

Aluminum mast pipes, feature 2 inch OD 6061 tubing with ¼ inch wall.

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Touch rust spots on your tower and antenna bolts with RUSTOLEUM, cold galvanizing.

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Stainless Steel Strapping Kits

Stainless steel strappings kits, for strapping hardline or multiple runs of Coax. Kits come with 25, 50, or 100 feet of stainless steel strapping and buckles.

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We have what you need - wire, fuse blocks, fuses, connectors, relays! You want your Mobile Low Band or amplifier installation to work efficiently. We have the proper wire, fusing and parts needed for a perfect installation.

WIRE - Single Conductor-Stranded.
red or black vinyl insulation
#10 wire . . . 30¢ per foot
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FUSE BLOCKS - Our fuse blocks are rugged, holding fuses much larger than the little 3AG glass type. This prevents overheating and voltage loss with high currents. Set screws in end of fuse blocks will accept wire up to #6.

30AMP Fuse Block $4.95
60AMP $5.95

Fuses - 5,6,7,8,10,20,25,30 Amp . . . . . 80¢ each
35,40,45,50 & 60 Amp. Fuses also available upon request.

RELAYS - These Motorola Type A style relays can be installed near the fuse block in the fenderwell and remotely switched under the dash with a small toggle switch. Excellent for switching high current lines. Relays are a closed type with screw terminals for mounting . . . . . Special $13.95

40 Amp. cont. duty solenoid-type, 12 V $34.95
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Other Accessories at Good Prices!!

Guy Wire Insulators - Compression-type porcelain. Approx. 1½ x 2½ inches, ⅜ inch hold.

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COACH'S CORNER

Are You Transmitting Hum On Your Radio?

You hear a lot of it these days. HUM! Today's new microprocessor controlled radios are very critical to antennas, power supplies and other little quirks we never experienced with the old "clunker" crystal rig.

When we get that dreaded report from someone on the 2-meter band, we wonder, "what in the world is wrong?" "what am I going to do . . . is it my "new" radio?

The first thing we need to do is to isolate what is causing the hum being transmitted by our transceiver. First thought is the power supply, but that's not always the case. But the power supply is a good place to start. If you are fortunate to have another, supply handy, substitute and see if the hum disappears. If you don't have a spare, lower the power on your radio and see what happens. Does the hum disappear, or change in level? A good way to check the supply is to connect your radio to your car battery, keeping the house antenna in place, just substituting ONLY power sources. If the hum disappears, you've located the problem. If not, continue. Get back on your power supply, and try a different antenna. If you have a SWR bridge, check the VSWR on your antenna system. If it reads high, you might want to do some tuning. If it reads more than 3:1, you either have a short or an open in your coax. Bad antennas cause a radio to shut down with its protection circuit. Power is being disapated through the heat sink and your ham shack. This could cause 'RF feedback" to be introduced back through the transceiver, usually through the microphone.

If all antenna checks are good and the hum persists, take the microphone off your transceiver. Look in the manual and see where the keying circuit pin numbers are in the mike circuit. Taking a small metal object, and shorting the push-to-talk line to the chassis mount of the mike socket should cause your radio to transmit. See if the hum persists. If it disappears, your microphone cable or mike itself is suspect.

Other problem sources, especially if you have a poorly shielded microphone or a broken shield could florescent lights, nearby computers, engines or motors running, etc.

The hum problem generally falls within one of these categories. Replacing or repairing the faulty piece generally solves the problem. If you don't have a very good technical expertise, you might find someone in the community, a ham or ham club friend who has meters and monitors who can help you.

Good luck!

OMIK Convention July 17-19 in Charleston, SC

— by Amos J. Favorite Jr., WB5SJL

The OMIK Amateur Electronic Communications Association will be holding it's 39th Convention and International Amateur Radio Symposium July 17th to 20th. The convention will be held at the North Charleston Marriott Hotel in Charleston, South Carolina.

There will be approximately 1,200 OMIK members and friends participating in this year's event. We will be awarding scholarships to local universities and students consistent with our last five conventions. Our displays and activities alos will be enjoyed by many interested local amateurs and future hams. OMIK is a non profit amateur radio based civic association that has been providing community services since 1952.

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A147-4	2 METER 4 ELEMENT BEAM	10.0db	49.95
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A449-11	440-450 MHZ11 ELEMENT BEAM	13.2db	59.95
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215WB	144-148 MHZ 15 EL 2.2 WAVE	15.2db	109.95
225WB	220-225 MHZ 15 EL 2.2 WAVE	15.5db	104.95
AR-2	RINGO 2 MTR 1/2 WAVE 1 KW	3.8db	37.95
AR-10	RINGO 10MTR 1/2 WAVE 1 KW	3.8db	53.95
AR-270	DUAL BAND RINGO 2M/ 70CM	3.8db	67.95
ARX-2B	2MTR RINGO RANGER II 1KW	7.0db	49.95
ARX-220B	220-225 MHZ RINGO RANGER II	7.0db	49.95
10-3CD	28 MHZ 3 ELEMENT BEAM	8.0db	154.95
TEN-3	28 MHZ 3 ELEMENT BEAM	8.0db	109.95
A-3S	20/15/10 MTR 3EL 14'BOOM	8.0db	319.95
A743	7 & 10 MHZ ADD ON FOR A3S		109.95
A-4S	20/15/10 MTR 3EL 18'BOOM	8.9db	389.95
A744	7 & 10 MHZ ADD ON FOR A4S		109.95
AP8	3.5,7,10,14,18,21,24,28 MHZ VERT		189.95
APR18	8 BAND RADIAL KIT FOR AP8		47.95
R5	10/12/15/17/20 MTR 1/2 WAVE VERT		259.95
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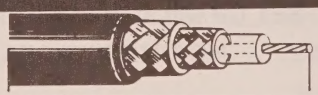

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JULY 27TH & 28TH 1991

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NO ONE BUT DEALERS allowed in building until 9:00 am

PRE-REGISTRATION PRIZE: 220-Hand Held Drawing Sat. 10:00
Special prize drawn from extra tickets ONLY on Sun.
(MUST be PRESENT to WIN this one)

MAIN PRIZE TICKETS will be drawn at 3:00 SAT. and 2:00 SUN.

WCARS/VEC EXAMS SATURDAY ONLY. **Registration at 9:30 am.** Walk-ins accepted. Exams at 10:00 AM. Fee $5.25. BRING COPY OF LICENSE, ORIGINAL LICENSE AND 1 OTHER FORM OF ID. (Exam info only): Garland Lance NC4N, 854 Sandhill Rd., Asheville, NC 28806, Phone 704-667-3758.

DIRECTIONS:
From US 19-23 to NC 63, approximately 2 miles; turn right on Old County Home Rd.; turn right on Lees Creek Rd.; right on Erwin Hills Rd.; to Hamfest Site on left.

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SOUTH CAROLINA NEWS CONTINUED

Continued from Page 15

The Low Country LAN is working on a new UHF 220 node . . . Bill, KE4NL has STFORT Node( ).05 with the call sign, KE4NL-7 up and running . . .

At the March SCARDS meeting, a representative from Southern Bell Pioneers group came to explain what is taking place and also to work with SCARDS in our endeaver to set a backbone across the state on 220 Mhz . . .

SCARDS had a table at the Greenwood Hamfest. Bill KE4NL had an operating packet station set up and operating. SCARDS membership forms were made available for interested partys . . . KB4FJX-1 in Chester, TENET node is intermittently being tested on .01 and .07 . . . AA4CA BBS is being tested in Spartanburg for backup and emergency use . . . N3BAF MSYS BBS is being tested for backup and emergency use in Greenwood . . . N4ZIJ MSYS BBS is running at Irmo om .01 . . . GRD 220 has switched to WV4B-5, GRD 220 9066 baud. The frequency is 223.580 and can be accessed via 07/01. The BBS is on 223.40 . . .

• • • •

New Upstate DX Packet Cluster Node

For all of you DX hounds with packet capability a new packet node is on line on Ceasers Head. To connect go to 145.65 and connect with GSPDX. After connecting with GSPDX connect with WB4IUX. Once you are connected stay connected! Each connect discount action sends your sign on or sign off to each node, increasing backbone frequency traffic and slows down the cluster. Monitor the activity on the cluster when you first start out to better understand the system. The cluster commands are not the same as your local PBBS. There are two types of commands, Common Passive (Read-Only) and Active (Transmit). Some of the main commands are, ANN/FULL (cr) General Cluster-wide announcement, ANN(cr) Local Node announcement, Help(cr) for list of cluster commands, SH/ANN(cr) Lists the last 5 Cluster announcements to name a few. The cluster consists of 14 nodes in 6 states can handle up to 700 stations simultaneously connected. We have monitored the node and it seems to really work great! Happy DXING!

• • • •

Roanoke Division LPM 91 To Be Held In Spartanburg

The 1991 Roanoke Division LPM meeting will be held in Spartanburg on May 18-19 at the Spartanburg Arts Center. The meeting is being hosted by the Spartanburg ARC. The purpose of LPM 91 is to offer league members and club representatives an opportunity to meet and talk with the elected and appointed officials of the Division and to actively participate in the forums to develop programs and ideas for the benefit of the Amateur Radio and the ARRL. Anyone interested in Amateur Radio is welcome to attend. The meeting starts at 1:00pm on Saturday. The Arts center is located at 385 Spring Street in Spartanburg. Talk in is on the 147.09 Repeater.

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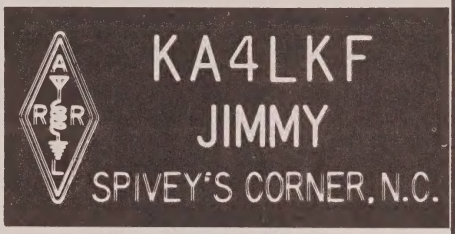

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Ray N4LXW and Judi Huff

REPEATER JOURNAL

HAMFEST CALENDAR

Permission is granted for re-publication or use of all or any part of this schedule as long as proper credit is given to the SERA Repeater Journal. The Journal assumes no responsibility to the accuracy of listings, other than to correctly republish the date upon notification. in writing.

MAY 1991

4-5...52nd Hamfest At Anderson Cty Fairgrnds,GREENVILLE, SC
11.....Jackson Cty Hamfest, RIPLEY, WV
18.....30th RVARC Mayfest, ROANOKE, VA
18-19.....Ala. State ARRL Conv/Hamfest, BIRMINGHAM, AL
18-19.....Andrsn, Hrtwl, Toccoa RC HF, HARTWELL,GA
19.....TSRAC Hamfest, Computer Fair, WHEELING, WV
25.....DurhamFest, DURHAM, NC
26.....MD. FM Assn. Hamfest, W. FRIENDSHIP, MD

JUNE 1991

1.....Clev. ARC Starfest, CLEVELAND, TN
1.....24th Annual Hamfest, KNOXVILLE, TN
1.....Athens RC Annual Hamfest, ATHENS, GA
2.....Hamfest, MANASSAS, VA
8.....Hamfest, WINSTON-SALEM, NC
15.....Albany ARC Hamfest, ALBANY, GA
16.....1st Annual "Down East" Hamfest, KINSTON, NC
29.....Hamfest, BLUEFIELD, WV

JULY 1991

6.....1st Annual NC Chapter TSRAC Hamfest, SALISBURY, NC
6-7.....West Va.State ARRL Conv/Hamfest, JACKSONS MILL, WV
17-20.....AECA Conv/Int. Amateur Symposium, CHARLESTON, SC
20.....Summer Swapfest, CARY, NC
27-28.....WCARS Hamfest, ASHEVILLE, NC
27-28.....Ga.State ARRL Conv/HamFestival, ATLANTA, GA
28.....BRATS Hamfest, TIMONIUM, MD

AUGUST 1991

4.....41st Winchester Hamfest, BERRYVILLE, VA
10.....Tri-State ARA Hamfest/Computer Show, HUNTINGTON, WV
10-11.....3rd Annual High Point RC Hamfest, HIGH POINT, NC
10-11.....Hamfest, HUNTSVILLE, AL
11.....Mid-Ohio Valley ARC Hamfest, PARKERSBURG, WV
11*.....Central Ky Hamfest, LEXINGTON, KY
11*.....Central ARRL Hamfest, GEORGETOWN, KY
17-18.....ARK-LA-TEX Hamfest, SHREVEPORT, LA
24-25*.....Hamfest, MADISON, GA
24-25*.....Computerfest 91, DAYTON, OH
25*.....Hamfest, CEDARS OF LEBANON, TN
25*.....Hamfest 91, ST. CHARLES, MO
31-Sep 1.....34th Annual Hamfest, SHELBY, NC

Did You Know - Almost all professional flea marketeers and all dealers in the South use this list as a guide to hamfests. This makes it more important than ever to list your hamfest and date as early as possible.

SEPTEMBER 1991

7-8*.....Hamfest, MELBOURNE, FL
8*.....Foundation AR Hamfest, GAITHERSBURG, MD
15.....Lanierland ARC Hamfest, GAINSVILLE, GA
21*.....Hamfest, SPRUCE PINE, NC
21-22*.....Hamfest & Computer Show, MOBILE, AL
21-22. State ARRL Conv/Hamfest/Computer, VIRGINIA BEACH, VA
22.....Hamfest, CLEVELAND, OH
28*.....Hamfest, ANNISTON, AL
28*.....TARA, Hamfest, HUNTINGTON, WV
28-29.....Hamfest, LOUISVILLE, KY
29.....3rd Annual JARSFEST, BENSON, NC

OCTOBER 1991

5*.....Hamfest, ROME, GA
5-6*.....Hamfest, BILOXI, MS
5-6.....40th Annual Hamfest, ROCK HILL, SC
12-13.....''Memfest '91'' Hamfest, MEMPHIS, TN
12-13*.....12th Ham Com-Vention, HOUSTON, TX
12-13*.....Hamfest, W.PALM BEACH, FL
13*.....14th Annual CARA Hamfest, HOWARD CTY, MD
13*.....Hamfest, MAYSVILLE, NC
19.....38th Hamfest/Computer Show, AUGUSTA, GA
19*.....Triangle East ARA Hamfest, SMITHFIELD, NC
19.....Tri-Cities Hamfest, GRAY, TN
26.....Hamfest, SUMTER, SC
26-27.....Hamfest,CHATTANOOGA, TN

NOVEMBER 1991

2-3*.....Ham Radio/Comp. Expo '91, LAWRENCEVILLE, GA
9-10*.....Hamfest, FT. LAUDERDALE, FL
10*.....Hamfest, CONCORD, NC
23-24.....S.Fla.Sec.ARRL/Suncoast Conv. '91 TAMPA, FL
23-24*.....Hamfest, GREENSBORO, NC
23*.....14th Annual Hamfest, MONTGOMERY, AL

CONFIRMED 1992 DATES

1/25/92.....TVARN Hamfest, GALLATIN, TN
11/14/92.....TVARN Hamfest, COOKVILLE, TN

(Please note: Hamfest dates marked with an asterisk(*) are NOT confirmed. Hamfest sponsors are urged to get their correct show dates to the Repeater Journal Editor as soon as possible. Unconfirmed dates are based on information from the previous year's show date. The Repeater Journal assumes no responsibility or liability for incorrect dates, whether they be from lack of updated club information, or from typographical errors in typesetting and printing.)

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Join The Journal!!

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RJ-5-91

The Repeater Journal is Published Quarterly - Feb., May, Aug., Nov.

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145.01 East River Mt Bluefield, Va. WB4BBF-1	**146.955** Oneida Peak Bluefield, Va. WZ8E	**444.400** Keeney Mt. Alderson, Wv. WF1G
145.17 Bolt Mtn. Beckley, Wv. WF1G	**147.030** Herndon Mt. Mullens, Wv. KC8IT	**444/625** East River Mt. Bluefield, Wv. WZ8E
145.310 Mann Mtn. Beckley, Wv. WF1G	**147.270** Poor Mt. Roanoke, Va. KB4QWO	**444.800** Lick Knob Beckley, Wv. WF1G

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145.01 — 145.67 — 221.01

Welcome to The Durham FM Association
REPEATERS - WA4WTX

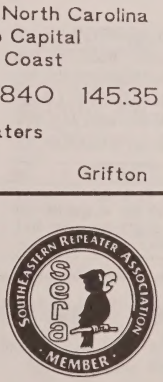
HILLSBOROUGH	DURHAM
147.225	145.45
223.94	444.10

Dial *911 for Durham Emergency
Dial *914 for Highway Patrol-Raleigh
DFMA meets Second Tuesdays at 6 pm
147.225: Home of the Possum Trot Net
6:15 - 7:15 am Monday - Friday

Windy View Rental
Affordable Vacation in Gatlinburg, TN
DAILY OR WEEKLY RATES
Bill & Elizabeth Moyers
WB4YPO (615) 689-4098
P.O. Box 5304 Knoxville, TN 37928

Serving Eastern North Carolina
From The Capital
To The Coast
147.09 224.840 145.35
Repeaters
Greenville Grifton

Become a part of



DATAVIEW CORPORATION K3SPC
COMPUTER DATA, LETTERS & LABELS
- ENVELOPE ADDRESSING
- PERSONALIZED FORM LETTERS
- HIGH VOLUME LABEL PRINTING
- DATABASE MAINTENANCE
PO BOX 17265
RALEIGH, NC 27619-7265
JOE SNYDER
(919) 783-7272

Repeater Journal Ad Rates
Effective 1 January 1991

Full Color Covers...8-1/2x11"	$335.00
Full Page...7-1/8x9-7/8"	$100.00
Full Page Bleed...8-1/2x11"	$125.00
2/3 Page (Vert)...4-5/8x9-7/8"	$75.00
1/2-Page (Horiz)...7-1/8x4-3/4"	$55.00
1/2-Page (Vert)...3-1/2x9-7/8"	$55.00
1/3-Page (Vert Only)...2-1/4x9-7/8"	$40.00
1/4-Page (Vert Only)...3-1/2x4-3/4"	$32.00
1/6-Page (Vert)...2-1/4x4-3/4"	$22.00
1/6-Page (Horiz)...4-3/4x2-1/4"	$22.00
1/12-Page (Vert Only)...2-1/4x2-1/4"	$14.00
Club Cards on Dir Page (4 Issue Contr)	$18.00
Classified Ads (30 Words Max. In Adv)	$3.00
Color (Blk + 1 Add'l Color, Any Size)	$35.00

Sizes listed Above are width by length in that order. Ads which run between sizes will be billed according to column inch rate at midpoint.

Prices quoted are for exact size, camera-ready positive photoprint or pasteup. Full color ads for covers require negative, right reading emulsion down. 133-Line screens preferred. Camera work, design, typesetting, pasteup is available at a nominal charge.

The Repeater Journal cannot be held liable or responsible for errors in advertising, or to the quality or accuracy of advertising claims.

All advertising copy and insertion orders should be sent to the Repeater Journal Advertising Manager. Ad copy deadlines are the 1st of the month, prior to month of publication. Insertion deadline for new ads is 10 days prior to copy deadline.

COPY DEADLINE DATES
February Issue - Jan. 1, May Issue - Apr. 1,
August Issue - Jul. 1, November. Issue - Oct. 1.

AMERICAN LEGION COMPLEX
HWY 301 N. BENSON, NC 27504
8:A.M. TO 4:P.M.

TALK IN ON 147.87/147.27

ADMISSION $5.00 AT DOOR

ADV. REGISTRATION $4.00

Children under 12 FREE

TRADE SWAP SELL

SET UP AT 6:30 A.M.

TRADE-SWAP SELL

3RD ANNUAL JARS FEST

ARRL

SUNDAY, SEPTEMBER 29th 1991

EXAMS BEGIN 10:A.M.

AMATEUR RADIO EXAMS (Courtesy RARS VEC)

By preregistration until September 23rd. Send completed Form 610, photocopy of your current license, code/theory certificates (if applicable), indicate highest class of license you desire to be tested for, and a check or money order for $5.25 Payable to JARS to:

Vince Yakamavich AA4MY
220 Carriage Trail
Raleigh, NC 27614

Tel (919) 847-8512

★ PRIZES ★ ★

1ST PRIZE IC-735 HF TRANSCEIVER
2ND PRIZE IC2 SAT 2 MTR H.H.
3RD PRIZE MFJ-949D ANTENNA TUNER
PRE-REG. PRIZE ALINCO DJ16OT 2M H.H.

COMPLIMENTRY TEST TABLE FOR CHECKING YOUR BARGAINS

TAIL GATING — WEATHER PERMITTING

TO PRE-REGISTER SEND $4.00 AND S.A.S.E TO:

GOOD FOOD GREAT PRICES

JOHNSTON AMATEUR RADIO SOCIETY INC.
RT. 1 BOX JARS
Benson, NC. 27504
Phones (919-894-5479 OR 772-8726
7: to 10:P.M. Evenings

AUCTION AT 2:30 P.M.

TABLES FOR RENT $6.00

WHERE TO BUY DIRECTORY

Advanced Computer Controls (ACC) ..... Ins. Bk. Cover
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ICOM America (WA) ..... Outside Bk.Cover IV
K.I.S.S. QSL's (NC) 17
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Winston-Salem Hamfest (NC) 4-5
WW Sales (NC) 33,45

Patronize The Fine Dealers Who Spend Their Advertising Dollars In The Repeater Journal, Making it possible for you to continue to get a First Class Magazine at Minimum Membership Cost. Tell them you Appreciate It!

ASTRON

POWER SUPPLIES

Astron Customers Know What To Expect
The Best In Quality and The Best In Value

	DESCRIPTION	PRICE
RS-4L	3 AMPS CTS/4 AMPS W/CIGARETTE LTR	44.95
RS-5L	4 AMPS CTS/5 AMPS W/CIGARETTE LTR	47.95
RS-7A	5 AMPS CONTINUOUS AND 7 AMPS ICS	51.95
RS-12A	9 AMPS CONTINUOUS AND 12 AMPS ICS	74.95
RS-20A	16 AMPS CONTINUOUS AND 20 AMPS ICS	91.95
RS-35A	25 AMPS CONTINUOUS AND 35 AMPS ICS	147.95
RS-50A	37 AMPS CONTINUOUS & 50 AMPS ICS	212.95
RS-20M	16 AMPS CONT& 20 AMPS ICS W/METERS	111.95
RS-35M	25 AMPS CONT& 35 AMPS ICS W/METERS	166.95
RS-50M	37 AMPS CONT& 50 AMPS ICS W/METERS	234.95

ELECTRONIC SPECIALISTS

CINEMA SQUARE SHOPPING CENTER
3830 OLEANDER DRIVE
WILMINGTON, NORTH CAROLINA 28403

ORDER LINE 1-800-688-0073

SAME LOW PRICE FOR CASH, VISA AND MASTERCARD!

MIRAGE/KLM

COMMUNICATIONS EQUIPMENT

We are pleased to continue serving the Amateur community with the best in high performance amplifiers and antennas.

For many years MIRAGE/klm has provided Amateurs throughout the world with the best equipment for their communications needs.

Whether you've needed an H-F tribander to chase DX or crossed YAGIs to bounce around the corner or around the world . . . we've answered the CQ.

When you asked for more UHF/VHF power in an amplifier and higher accuracy in a wattmeter, MIRAGE/klm came through.

Now we've got higher power on 6-Meters, pre-amps for all bands, and two new WARC tribanders . . . all with the power of MIRAGE/klm.

New Amplifier Power

A-1035G	A-1560G
50-54 Mhz	50-54 Mhz
5W - 15W input	5W - 20W input
10W in, 350W out	15W in, 600W out
18 Amps @ 24vDC	36 Amps @ 24vDC
Retail: $586.00	Retail: $ TBA

New Pre-Amp Power

KP-1 (In-Shack) **KP-2 (Mast-Mount)**

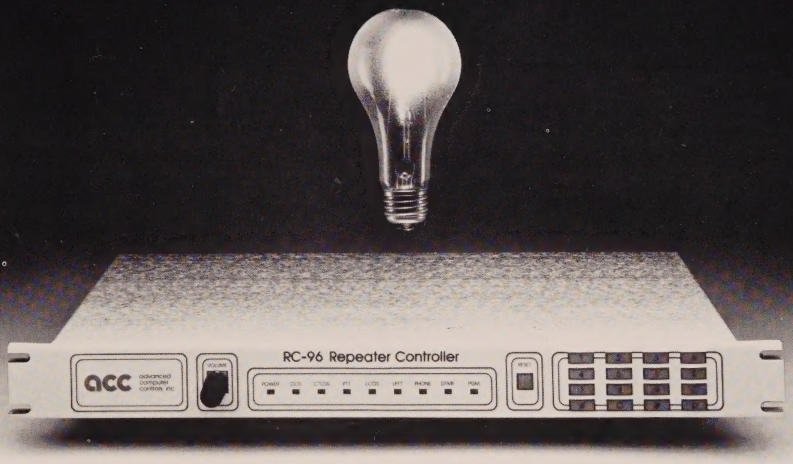
Both models in 10M, 6M, 2M, 1-1/4M, 70cm
100W. . . . .Power Handling. 165W
20dB. . . . .Gain. 25dB
less than 0.6dB. . .Noise. . .less than 0.6dB
$117.00. . . . .Retail. $141.00

New Antenna Power

12-17-30-V	12-17-30-D
12M,17M,30M Vertical	12M,17M,30M Dipole
Height: 21 ' 1¼"	Length: 39 ' 8½"
VSWR: less than 1.5:1	VSWR: less than 1.5:1
Weight: 6.5 pounds	Weight: 13 pounds
Retail: $141.00	Retail: $269.00

MIRAGE/KLM
COMMUNICATIONS EQUIPMENT
P.O. Box 1000 Morgan Hill, CA 95038
(408) 779-7363 (800) 628-5181 (outside CA)
FAX 408-779-8845 • TELEX 910-590-4460

"What a Brilliant Idea!"



The RC-96 Repeater Controller will light up your day ... every day that you use your repeater.

You'll get its top-notch auto-patch and its full complement of linking, remote control and programming. Plus, its synthesized voice will shed light on your group, communicating information through IDs, tail messages, and bulletin boards.

Installation will be an illuminating experience – of just how easy it can be. With supplied cables, easily accessible adjustments, and a front panel display that will light your way to what's happening. Even Thomas Edison would have been impressed.

Then there is the legendary lightning protection that Ben Franklin could have used. Backed up by our two year lightning warranty.

Turn even a flickering repeater into a beacon – a lighthouse of the airwaves. The RC-96 controller will lead to a bright future for your repeater group. Oh yes, light bulb not included.

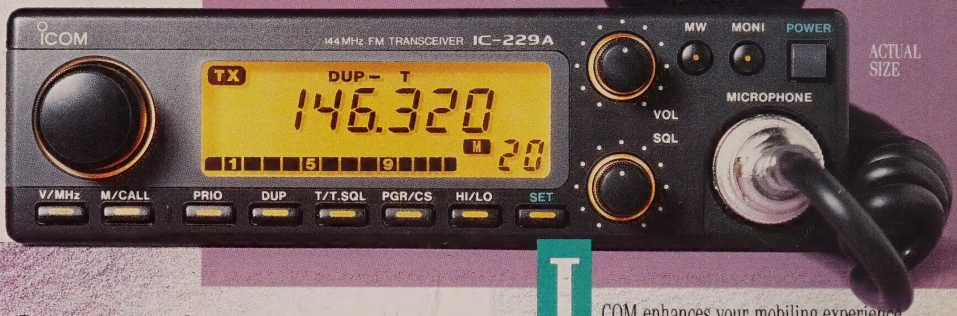
acc advanced computer controls, inc.

2356 Walsh Avenue, Santa Clara, California 95051 (408) 727-3330

INTRODUCING

IC-229

HM-56 DTMF Autodialer Microphone



ACTUAL SIZE

STATE OF THE ART IN SMALL MOBILES

ICOM enhances your mobiling experience with a sleek design perfect for today's automobiles. Big rig performance and maximum frequency coverage are yours with the ultra-compact IC-229A/H 2-Meter and IC-449 440MHz mobile transceivers.

Incomparable ICOM quality and an array of alluring features ensure endless hours of operating enjoyment: 20 memory channels store operating offset and subaudible tone frequencies; up to 50 watts power output; call channel; and unique auto dialing function for excellent autopatching and repeater control.

IC-RP1510 2-Meter Repeater

The IC-229/H and IC-449 will exceed your mobiling expectations. Test tune one today at your quality ICOM amateur dealer and see what mobiling can be. For full details call the ICOM Brochure Hotline at 1-800-999-9877.

ICOM

CORPORATE HEADQUARTERS: ICOM America, Inc., 2380-116th Ave. N.E., Bellevue, WA 98004
CUSTOMER SERVICE HOTLINE (206) 454-7619
CUSTOMER SERVICE CENTERS: 3150 Premier Drive, Suite 126, Irving, TX 75063
1777 Phoenix Parkway, Suite 201, Atlanta, GA 30349
3071 – #5 Road, Unit 9, Richmond, B.C. V6X 2T4 Canada
2380-116th Ave. N.E., Bellevue, WA 98004
All stated specifications are subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. 2291090